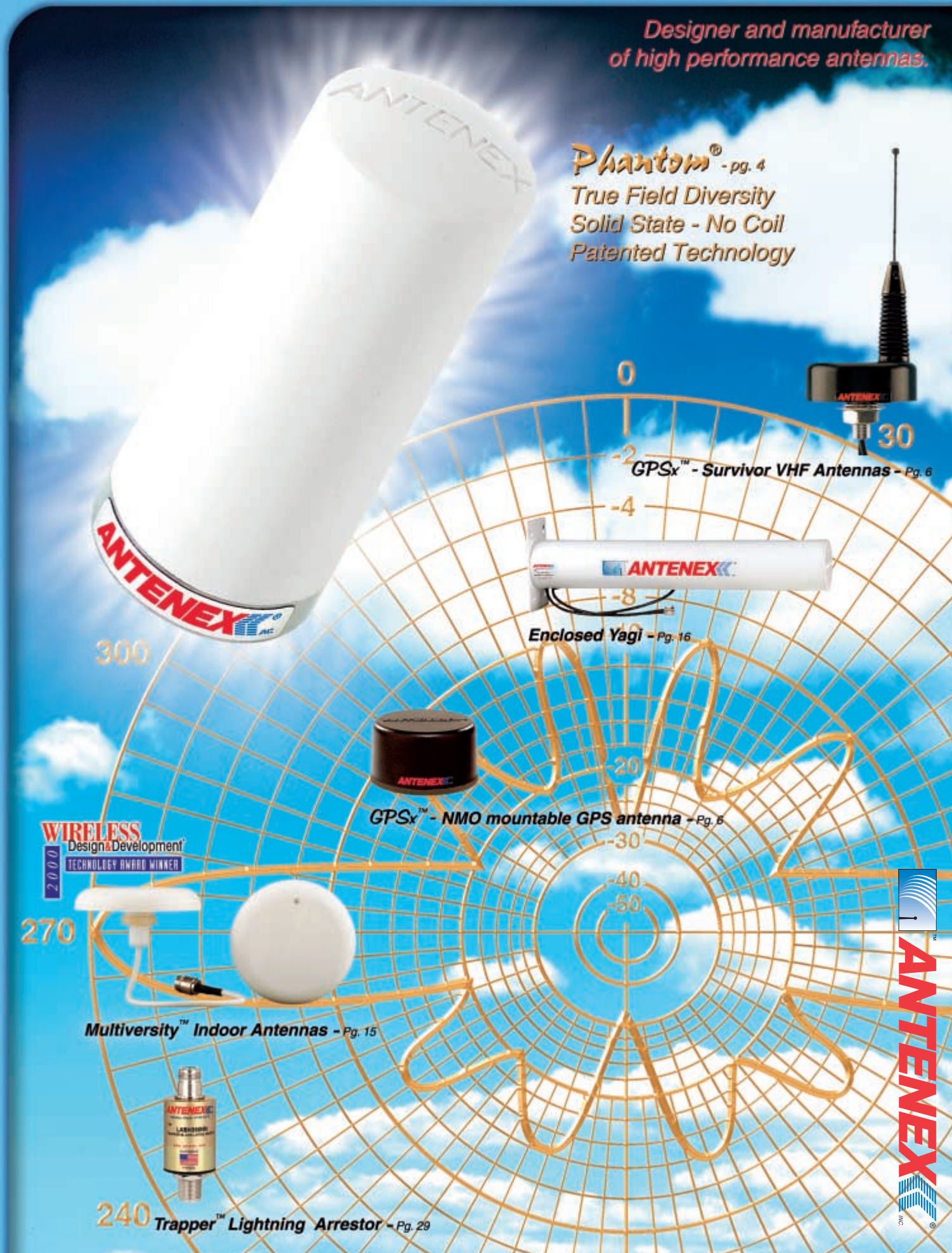
ANTENEX INC.

Product Selection Guide 2001

www.ANTENEX.com

Designer and manufacturer of high performance antennas.



The ANTENEX® Triad of Complete Antenna Solutions

Standard Catalog Product

- Over 1000 stock designs
- Nearly 7000 Model Combinations
- Optimized Designs
- Finest Craftsmanship
- Highest Grade Materials
- Feature Rich
- Ready to Ship
- Competitively Priced
- Custom Reconfiguration and Tuning of Standard Product

You will notice when browsing this catalog that some products are highlighted in green. These products represent the most popular frequency and gain configuration within the product family. All green highlighted products are stocked and ready for immediate shipment.

Products shown in black are made-to-order items. Delivery of these products will be subject to current factory lead time. However, with our flexible and modern manufacturing system, they are built and shipped very quickly.

In this catalog you will notice that a wide variety of functions are covered with a minimum of products, making ANTENEX® an easy line to stock.

ANTENEX® Technologies

ANTENEX® leads the way in advanced antenna design. Many of our patented technologies offer solutions unavailable from any other source.

From the field diversity Phantom family to the solid state Genesis wide band family, ANTENEX® products will meet nearly any application or installation challenge.

In the rare case that one of these products will not meet your requirement, we also have a wide array of in-house design and development capabilities.

- Phantom®: Patented Field Diversity
- MIA: Patented Multiversity Indoor Solution
- Genesis™: Patented Solid State Wideband
- Voyager™: Patented Broadband
- GPSx™: Single Package Dual Band
- GPSx™: NMO Mountable

Custom & OEM Development

- RF Design
- Mechanical Design
- PC Board Design, Prototype & Production
- Custom Machining
- Custom Machining
- Injection Mold Tool Design & Construction
- Injection Molding
- Springs and Coil Windings
- Ultrasonic Welding

Utilizing the right combination of the many ANTENEX® design, prototype and manufacturing capabilities, we achieve results! Our design team has extensive experience in both the private and public sector, including the aerospace and defense industries.

We have the expertise and equipment infrastructure to produce mechanical prototypes for your project. From stamping to injection molding, from milling to circuit board production, our in-house design team can design, develop, and produce professional prototypes.

We can also take an existing wireless device, set it up in our lab, and design an antenna to fit your requirements for return loss efficiency and radiation pattern. Simply complete the Product Design Worksheet on page 42, fax it to our OEM Design Department. We will quickly return a quotation.

Product Courtesy of Gastronics, Inc.

As you can see from our vast array of products and capabilities, we are poised to satisfy nearly any antenna requirement with speed, quality and the personal touch that you expect from ANTENEX®.

For the latest developments on our most current products, please visit our web site at: http://www.ANTENEX®.com.

TO ORDER FROM ANTENEX® WORLDWIDE:

PHONE: 630-351-9007
800-323-3757 (USA ONLY)
FAX: 630-351-9009

ON-LINE: *http://www.ANTENEX®.com*
E-MAIL: *sales@ANTENEX®.com*

MAIL: 2000-205 Bloomingdale Road
Glendale Heights, IL 60139 U.S.A.

PAYMENTS:

ANTENEX®, Inc.
Dept. F
P.O. Box 4755
Carol Stream, IL 60197-4755

TECH-SUPPORT WORLDWIDE:

PHONE: 630-351-9011
FAX: 630-351-9009

ON-LINE: *http://www.ANTENEX®.com*
E-MAIL: *support@ANTENEX®.com*

"Se habla español."
"Parliamo in italiano."
"Chúng tôi nói tiê´ng viêt râ´t thông thao."
We speak many languages at ANTENEX®.
Of course, we export!

Using this Catalog

This Catalog is designed with customer input for quick and accurate selection of antenna products. Please contact us with any questions, comments or suggestions that you might have.

Manufacturers Suggested Retail Price (MSRP) replaces User Price which was used in previous versions of this catalog. MSRP is our suggested retail price to the ultimate end user. Dealer prices apply only to authorized and appointed ANTENEX® dealers.

Please follow the ordering guide for each product family carefully to ensure that the appropriate product is selected for a particular application. Products highlighted in green are stocked in depth and ready for immediate shipment. The balance of products listed in this catalog are subject to current manufacturing lead times. Re-configuration, modification or engineering of any product in this catalog can be quoted. If you can not find the product you need for your application, please call us for pricing and delivery.

ANTENEX® assumes that the buyer has the proper installation and application knowledge for the safe and accurate selection of product. ANTENEX® will not be responsible for the misapplication or misuse of product. Please contact your local radio professional for assistance if you are unsure of appropriate product installation, use or selection.

ANTENEX® reserves the right to only sell to its appointed dealers and distributors. See page 43 for dealer terms, payment and ordering information.

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CREDITS: The ANTENEX® catalog was proudly produced in-house in the ANTENEX® photo lab and graphics department by the talented people of ANTENEX®, Inc. Editors include Bill, Bruce, Don, Glen, Frank, Marcos, Tony and Vance. Graphic design and typesetting by Vance. Photos by Vance and Don. Technical graphs by Tony.

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Phantom® Antennas *Patented Whipless Performance*

Our unique patented Phantom® is a tough antenna for outdoor or indoor applications. The Phantom® revolutionary design features field diversity with both vertical and horizontal polarization components. This gives the antenna diversity, frequency agility, low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications.

The industry standard NMO mounting socket mates with all ANTENEX® Magnetic, Trunk lid, and hole mounts. We also provide a threaded stud mount model for vandal resistant mounting on brackets, panels, ceilings or any other kind of housing.

The Phantom® patented technology is beneficial when high performance is desired and extreme ruggedness and low profile is required.

Indoor Enhancement

Product Courtesy of Gastronics, Inc.

Wireless Data Collection

PCS

Vending

The ANTENEX® Phantom® Antennas are Ideal for Vending, Data, Mobile Transit, and PCS Applications.

Custom Tuning Available on Phantom® models for only $10.00

TRA8063P Permanent Mount

TRA8063

TRA4503

TRAB8063

TRAB4503

Ordering Guide - *Clear, Easy & Sensible!*

TRA9023 = Phantom® *Antenna Model, White, 902-928 MHz, 3 dB-MEG.*

NO WHIP!

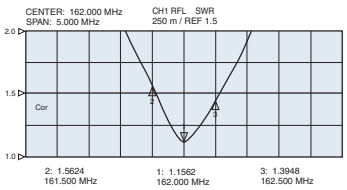
TRA	***Antenna Style***	Phantom® *Low-Profile Transit Antenna*			
Blank	***Finish***	***Blank*** *= White*			
		B *= Black*			
902	***Frequency***	*Frequency component of part number in bold below:*			
		142*-164*	***150****-174*	***210****-230*	***410****-430*
		430*-450*	***450****-470*	***470****-490*	***806****-866*
		821*-896*	***890****-960*	***902****-928*	***2400****-2500*
3	***Gain***	***0*** *= Unity*	***3*** *= 3 dB-MEG*		
Blank	***Mount***	**Blank** = Normal Model		**N** = No Ground Plane Model	
Blank	***Mount Option***	***Blank*** *= 3/4" Screw Base*		***P*** *= Permanent Hole Mount*	

US Patent Number: 5,977,931

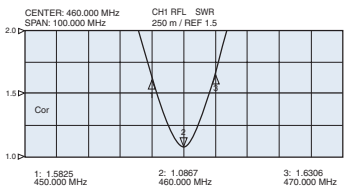
WHITE MODELS

Model	Frequency Range	Radome Height	Gain	MSRP
VHF UNITY MODELS				
TRA1420	142-164 MHz	3.30"	Unity	**72.00**
TRA1500	150-174 MHz	2.75"	Unity	**72.00**
TRA2100	210-230 MHz	2.75"	Unity	**72.00**
UHF 3 dB-MEG MODELS				
TRA4103	410-430 MHz	3.30"	3 dB-MEG*	**41.08**
TRA4303	430-450 MHz	3.30"	3 dB-MEG*	**41.08**
TRA4503	450-470 MHz	3.30"	3 dB-MEG*	**41.08**
TRA4703	470-490 MHz	3.30"	3 dB-MEG*	**41.08**
800 MHz to 2.4 GHz 3 dB-MEG MODELS				
TRA8063	806-866 MHz	2.30"	3 dB-MEG*	**38.70**
TRA8213	821-896 MHz	2.30"	3 dB-MEG*	**38.70**
TRA8903	890-960 MHz	2.30"	3 dB-MEG*	**38.70**
TRA9023	902-928 MHz	2.30"	3 dB-MEG*	**38.70**
TRA24003	2400-2500 MHz	2.30"	3 dB-MEG*	**38.70**
900 MHz to 2.4 GHz NGP 3 dB-MEG MODELS				
TRA9023N	902-928 MHz	3.30"	3 dB-MEG*	**41.08**
TRA24003N	2400-2500 MHz	3.30"	3 dB-MEG*	**41.08**
UHF PERMANENT 3 dB-MEG MODELS				
TRA4303P	430-450 MHz	3.30"	3 dB-MEG*	**55.63**
TRA4503P	450-470 MHz	3.30"	3 dB-MEG*	**55.63**
TRA4703P	470-490 MHz	3.30"	3 dB-MEG*	**55.63**
800 MHz to 2.4 GHz PERMANENT 3 dB-MEG MODELS				
TRA8063P	806-866 MHz	2.30"	3 dB-MEG*	**55.63**
TRA8213P	821-896 MHz	2.30"	3 dB-MEG*	**55.63**
TRA24003P	2400-2500 MHz	2.30"	3 dB-MEG*	**55.63**
900 MHz to 2.4 GHz PERMANENT NGP 3 dB-MEG MODELS				
TRA9023NP	902-928 MHz	3.30"	3 dB-MEG*	**56.16**
TRA24003NP	2400-2500 MHz	3.30"	3 dB-MEG*	**56.16**

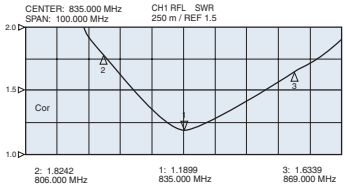
VSWR



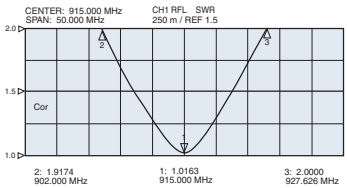
TRA1500



TRA4503



TRA8063



TRA9023N

BLACK MODELS

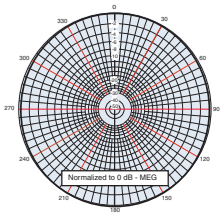
Model	Frequency Range	Radome Height	Gain	MSRP
VHF UNITY BLACK MODELS				
TRAB1420	142-164 MHz	3.30”	Unity	**72.00**
TRAB1500	150-174 MHz	2.75”	Unity	**72.00**
TRAB2100	210-230 MHz	2.75”	Unity	**72.00**
UHF 3 dB-MEG BLACK MODELS				
TRAB4103	410-430 MHz	3.30”	3 dB-MEG*	**41.08**
TRAB4303	430-450 MHz	3.30”	3 dB-MEG*	**41.08**
TRAB4503	450-470 MHz	3.30”	3 dB-MEG*	**41.08**
TRAB4703	470-490 MHz	3.30”	3 dB-MEG*	**41.08**
800 MHz to 2.4 GHz 3 dB-MEG BLACK MODELS				
TRAB8063	806-866 MHz	2.30”	3 dB-MEG*	**38.70**
TRAB8213	821-896 MHz	2.30”	3 dB-MEG*	**38.70**
TRAB8903	890-960 MHz	2.30”	3 dB-MEG*	**38.70**
TRAB9023	902-928 MHz	2.30”	3 dB-MEG*	**38.70**
TRAB24003	2400-2500 MHz	2.30”	3 dB-MEG*	**38.70**
900 MHz to 2.4 GHz NGP 3 dB-MEG BLACK MODELS				
TRAB9023N	902-928 MHz	3.30”	3 dB-MEG*	**41.08**
TRAB24003N	2400-2500 MHz	3.30”	3 dB-MEG*	**41.08**
UHF PERMANENT 3 dB-MEG BLACK MODELS				
TRAB4303P	430-450 MHz	3.30”	3 dB-MEG*	**55.63**
TRAB4503P	450-470 MHz	3.30”	3 dB-MEG*	**55.63**
TRAB4703P	470-490 MHz	3.30”	3 dB-MEG*	**55.63**
800 MHz to 2.4 GHz 3 dB-MEG BLACK MODELS				
TRAB8063P	806-866 MHz	2.30”	3 dB-MEG*	**55.63**
TRAB8213P	821-896 MHz	2.30”	3 dB-MEG*	**55.63**
TRAB24003P	2400-2500 MHz	2.30”	3 dB-MEG*	**55.63**
900 MHz to 2.4 GHz NGP 3 dB-MEG BLACK MODELS				
TRAB9023NP	902-928 MHz	3.30”	3 dB-MEG*	**56.16**
TRAB24003NP	2400-2500 MHz	3.30”	3 dB-MEG*	**56.16**

*Gain on a Phantom® antenna is measured in db-MEG.
For more information on dB-MEG, visit our website at http://www.antenex.com.

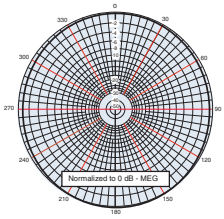
Phantom® Cutaway

TRAB1420 VHF Field Tunable with Easy Tuning Port

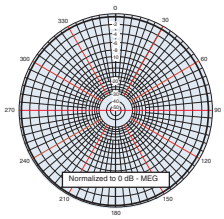
Horizontal Field Patterns



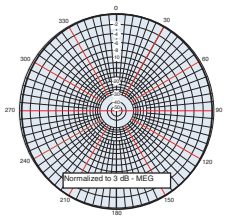
TRAB1420



TRAB1500



TRAB2100



TRAB24003

Features & Benefits

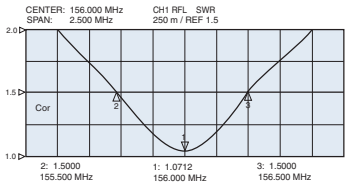
Whipless Design: The patented whipless design of our Phantom® antenna allows car washes without removing the antenna. Whipless means they don't look like antennas, attract less attention, less vandalism, and have lower wind resistance. The Phantom® is also less susceptible to damage by trees, garages or other obstructions.

Field Diversity: Field diversity means that the antenna is simultaneously sensitive to both the electric and magnetic fields of the signal, like having two antennas. Field diversity makes the antenna resistant to the picket-fence fading and multipath nulls that are found in urban operation and undulating mobile environments.

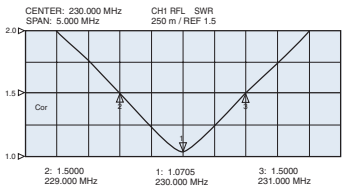
Permanent Mounting: Permanent mount versions of the UHF and higher frequency models are available for high risk applications such as metering where antennas must resist vandalism and achieve economical mounting.

Versatile: Excellent for voice or telemetry applications.

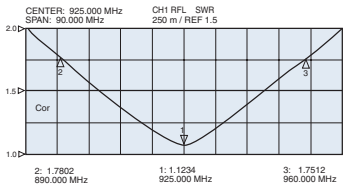
VSWR



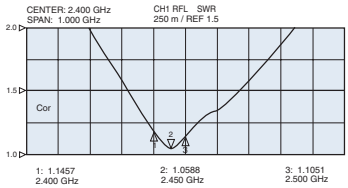
TRAB1420



TRAB2100



TRAB8903



TRAB24003

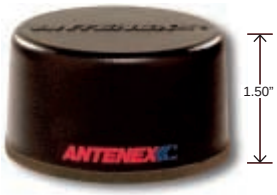
Technical Data - Product Features & Information

	142-174 MHz	210-230 MHz	
• **Gain:**	Unity	Unity	
• **Frequency Range:**	142-164 MHz 150-174 MHz	210-230 MHz	
• **VSWR:**	<1.5:1 850 kHz <2.0:1 1.5 MHz	<1.5:1 2.2 MHz <2.0:1 4.0 MHz	
• **Maximum Power:**	100 watts	100 watts	
• **Bandwidth:**	1.5 MHz	4 MHz	
• **Impedance:**	50 ohms	50 ohms	
• **Height:**	3 1/2” / 2 3/4”	2 3/4”	
	410-490 MHz	**800-900 MHz**	**2400 MHz**
• **Gain:**	3 dB-MEG	3 dB-MEG	
• **Frequency Range:**	410-430 MHz 430-450 MHz 450-470 MHz 470-490 MHz	806-866 MHz 821-896 MHz 890-960 MHz 902-928 MHz	2400-2500 MHz
• **VSWR:**	<1.5:1 10 MHz <2.0:1 20 MHz	<1.8:170 MHz	<1.5:1 100 MHz
• **Maximum Power:**	150 watts	150 watts 100 watts NGP	100 watts
• **Bandwidth:**	>20 MHz	>70 MHz	>100 MHz
• **Impedance:**	50 ohms	50 ohms	50 ohms
• **Height:**	3½”	2½”	3½”

GPSx™ Antenna *The Rugged GPS Antenna*

GPSx™ NMO

- NMO Mountable - Installs Easily
- Small Size - 1½ Inches Tall & 2⅝ inches in Diameter!
- Gold Plated Pushpin Contact
- Optimized Microstrip-to-NMO Design



GPSU15M

Dual Band GPSx™ / Phantom®

- Low Profile
- Dual Band-GPS with 450, 800, 900 MHz
- Phantom® Element for Field Diversity
- Optimized Mutual Coupling Design

GPSx™ / Phantom® Dual Band

The Survivor GPSx™

- Dual Band GPS/VHF
- Internally Potted
- Designed for Heavy Equipment
- Heavy Duty Spring
- Ideal for ORBCOMM® Applications

The Survivor GPSDVHF

Utility GPSx™

- Low Profile
- Magnetic or Self Adhesive Base
- 14' RG174 Thin Coax Cable

GPSU15BNC

Add any Antenex NMO Style Antenna to a Trunk Mountable GPSx system.

The Micro GPSx™ Family

- Trunk Mount with NMO Mount
- Low Profile
- Add-on Bracket for NMO Mount

GPSM15GBNC

GPSNMOAO with Optional Mag Mount & TRAB8063

TM8GPS With Optional 800 MHz Phantom®

GPSNMOAO

Ordering Guide - *Clear, Easy & Sensible!*

GPSU15GBNC = GPSx™ *Utility Antenna, Magnetic Base, BNC Male.*

GPSU	***Antenna Style***	*GPSU = Utility GPS Discadoo Housing* *GPSM = Micro GPS*
15	***Frequency***	*1575.42 MHz, Standard GPS Frequency.*
G	***Mount Style***	***Blank*** *= Self Adhesive Mount* ***G*** *= Magnetic Mount* ***M*** *= ¾ Mount*
BNC	***Connector Style***	***BNC*** *= BNC Male* ***SMA*** *= SMA Threaded Male* ***SMB*** *= SMB Snap-in Female* ***TNC*** *= TNC*

Model	Description	MSRP
GPS NMO MOUNTABLE		
GPSU15M	NMO GPS Mobile Antenna	150.00
DUAL BAND GPS		
GPSDVHF	Dual Band GPS-VHF Survivor™	250.00
GPSD4503P	Dual Band GPS-UHF Survivor™	200.00
GPSD8063P	Dual Band GPS-800 Survivor™	225.00
GPSD9023P	Dual Band GPS-900 Survivor™	200.00
TRUNK MOUNT GPS MODELS		
TM8GPS	Trunk Mount With GPS	156.00
TMB8GPS	Black Trunk Mount With GPS	166.00

Model	Connector Style	Cable Type	MSRP
UTILITY GPS ANTENNA SELF ADHESIVE BASE			
GPSU15BNC	BNC	14' RG174/U	138.54
GPSU15SMA	SMA	14' RG174/U	138.54
GPSU15SMB	SMB	14' RG174/U	140.54
GPSU15TNC	TNC	14' RG174/U	138.54
UTILITY GPS ANTENNA MAGNETIC BASE			
GPSU15GBNC	BNC	14' RG174/U	143.54
GPSU15GSMA	SMA	14' RG174/U	143.54
MICRO GPS ANTENNA MAGNETIC BASE			
GPSM15GBNC	BNC	16' RG174/U	135.41
GPSM15GSMA	SMA	16' RG174/U	135.41
GPSM15GSMB	SMB	16' RG174/U	137.41
GPSM15GTNC	TNC	16' RG174/U	135.41

Model	Description	MSRP
GPS ADD ON BRACKET		
GPSNMOAO	Bright Stainless Bracket with GPS	110.40
GPSBNMOAO	Black Stainless Bracket with GPS	115.40

Technical Data - *Product Features & Information*

GPS Patch Antenna

VSWR:	*2:1 Typical@1575.42 MHz*
Operating Temperature:	*-40° to 85° C*
Polarization:	*Right Hand Circular*
Antenna Description:	*Active Ceramic*
Azimuth Coverage:	*360°*
Impedance:	*50 ohms*
Elevation Coverage:	*0° - 90°*
Operating Voltage:	*5.0 Vdc +/- .20 Vdc*
LNA Gain (GPS Band):	*27 dB typical@ .25ma current*
Cellular Filtering:	*-24 dB*
Antenna Height:	*GPSM = 5/8", GPSU = 9/16"*
Operating Frequency:	*1575.42 MHz*

Genesis™ Patented Wide-Band Technology

ANTENEX™ INC.

Features & Benefits

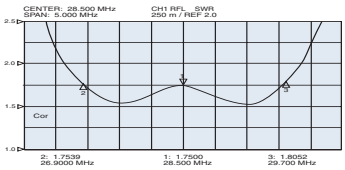
- No Tuning Required
- Removable Rod For Carwash
- Easy Installation- No Rod Trimming!
- Faster Installations - Increased Profits
- Gold-plated Push Pin Contact For Better Power Transfer
- O-ring Inserted on the Coil Bottom - Better Moisture Seal
- A Solid State Miracle. The Only One of its Kind in the World
- FedEx/UPS Shippable

This antenna self-tunes. There is no need to trim the whip!

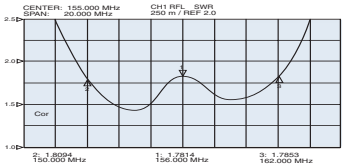
Removable Rod

Gold Contact

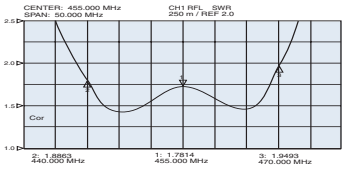
VSWR



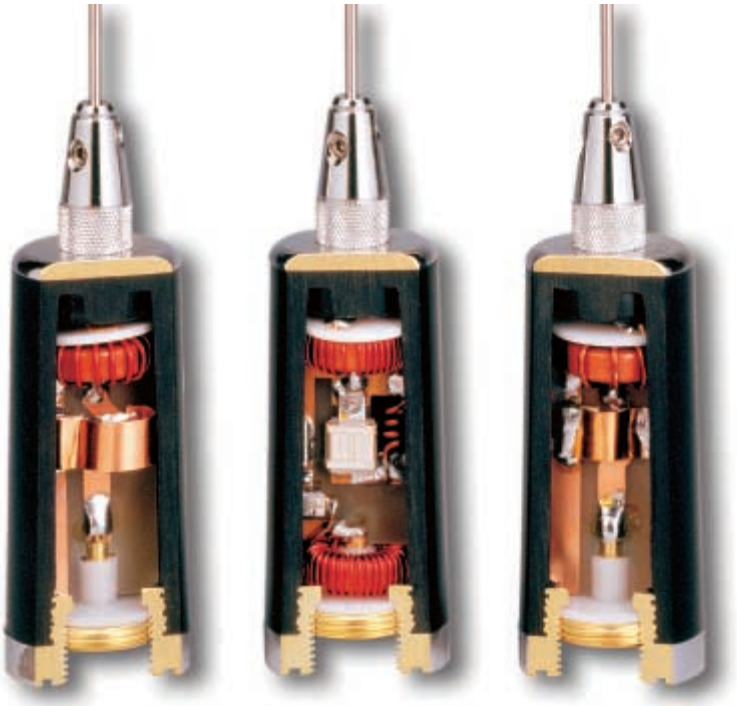
CW27



CW1503



CW4405C



CW4405C CW27 CW1503

Cutaways of Genesis™ Models

Ordering Guide - Clear, Easy & Sensible!

CWB4405CS = GENESIS™ *Wide-Band Mobile Model, Black Chrome Finish, 440-470 MHz, 5 dB, Closed Phasing Coil, with Shock Spring.*

CW	**Antenna Style**	**CW** = **GENESIS Wide Band™** Model
B	**Finish**	**Blank** = Chrome **B** = Black
440	**Frequency**	Frequency component of part number in bold below: **27**-28 **30**-34 **34**-40 **37**-46 **42**-48 **132**-174 **144**-156 **150**-162 **153**-169 **162**-174 **406**-430 **440**-470
5	**Gain**	**Blank** = Unity (Lowband Models) **0** = Unity **3** = 3 dB **5** = 5 dB
C	**Phasing Coil**	**Blank** = Straight Rod **C** = Closed Phasing Coil (collinear radiator only)
S	**Spring Option**	**S** = Spring Option

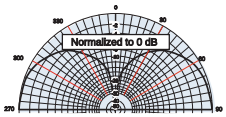
US Patent Number: 5,604,507. International Patents Pending.

Model	Frequency	Radiator	Whip Length	MSRP
LOWBAND WIDEBAND UNITY MODELS				
CW27	26.8-29.7 MHz	Base Loaded 1/4 Wave	64”	**63.91**
CW30	30-34 MHz	Base Loaded 1/4 Wave	60”	**63.91**
CW34	34-40 MHz	Base Loaded 1/4 Wave	62½”	**63.91**
CW37	37-46 MHz	Base Loaded 1/4 Wave	57½”	**63.91**
CW42	42-48 MHz	Base Loaded 1/4 Wave	51¼”	**63.91**
VHF WIDEBAND UNITY MODEL				
CW1320	132-174 MHz	End Fed 1/4 Wave	15¼”	**44.60**
VHF WIDEBAND 3 dB MODELS				
CW1443	144-156 MHz	Base Loaded 5/8 Wave	47”	**56.61**
CW1503	150-162 MHz	Base Loaded 5/8 Wave	45”	**56.61**
CW1533	153-169 MHz	Base Loaded 5/8 Wave	46”	**56.61**
CW1623	162-174 MHz	Base Loaded 5/8 Wave	41”	**56.61**
UHF WIDEBAND 5 dB MODELS				
CW4065C	406-430 MHz	Closed Coil Collinear	34 1/8”	**57.42**
CW4405C	440-470 MHz	Closed Coil Collinear	32 1/8”	**57.42**

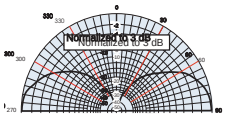
Model	Description	MSRP
SPRING OPTION ACCESSORY		
S	Shock Spring for B and C Coils	**10.36**
SB	Black Chrome Shock Spring for B & C Coils	**16.90**

All whip lengths are valid for models before adding a spring.
Add “S” to the end of the part number to receive spring on coil.
Models with whips longer than 49” are not available in black.

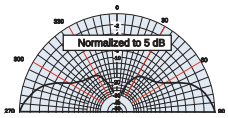
Vertical Field Patterns



CW27



CW1503



CW4405C

Technical Data - Product Features & Information

	LOWBAND	VHF	UHF
Gain:	Unity	3 dB	5 dB
VSWR (across band):	2.0:1 or better	2.0:1 or better	2.0:1 or better
Maximum Power:	200 watts	200 watts	200 watts
Bandwidth:	Exceeds 10% @1.8:1 VSWR	Exceeds 10% @1.8:1 VSWR	Exceeds 10% @1.8:1 VSWR
Impedance:	50 ohms DC Continuity	50 ohms DC Continuity	50 ohms DC Continuity
Mounts to:	3/4” hole, 3/8” hole, Magnetic & Mini-Trunk Mounts		

Mobile Load Coil Antennas - Lowband, VHF, UHF, 800MHz & 900MHz

Our mobile antennas are designed and built for demanding applications. They have proven themselves to outlast the cars they are mounted on. Each model is permanently marked for model and frequency. ***ANTENEX®*** mobiles are used extensively on municipal vehicles, in off road racing, on industrial vehicles, taxi cabs and other high endurance applications such as police cruisers, emergency vehicles, and forestry service vehicles. The detailed attention given to the manufacture and design of our coils and coil housings ensure that they will last for years. We manufacture over 100 variations. Our no ground plane antennas give you the flexibility you need in any mounting application, while our dual band and wide band models allow you to get full value out of today's advanced radios. If you cannot find the right ***ANTENEX®*** product for your mobile application, please contact us for pricing and availability.

Model	Frequency	Gain	Whip Style	MSRP
LOWBAND DC GROUND BASE LOADED 1/4 WAVE MODELS				
C27	26-28 MHz	Unity	49" Tapered	**39.54**
C30	30-35 MHz	Unity	49" Tapered	**39.54**
C34	34-37 MHz	Unity	49" Tapered	**39.54**
C37	37-40 MHz	Unity	49" Tapered	**39.54**
C40	40-47 MHz	Unity	49" Tapered	**39.54**
C47	47-50 MHz	Unity	49" Tapered	**39.54**
VHF 1/4 WAVE MODELS				
B66	66-174 MHz	Unity	49" Tapered	**33.30**
VHF 1/4 WAVE BROADBAND MODELS				
B132	132-928 MHz	Unity	21" Straight	**26.00**
B132S	132-525 MHz	Unity	21" Straight	**36.17**
VHF 5/8 WAVE BROADBAND MODELS				
B1323	132-174 MHz	3 dB	55" Tapered	**37.61**
B1443	144-174 MHz	3 dB	49" Tapered	**36.30**
B2003	200-250 MHz	3 dB	33" Straight	**36.30**
B2503	250-280 MHz	3 dB	24½" Straight	**36.30**
VHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS				
B1322N	132-174 MHz	2.4 dB	55" Tapered	**36.30**
B1442N	144-174 MHz	2.4 dB	49" Tapered	**36.30**
B2002N	200-225 MHz	2.4 dB	29½" Straight	**36.30**
UHF 5/8 WAVE MODELS				
B4063	406-430 MHz	3 dB	13" Straight	**31.50**
B4303	430-450 MHz	3 dB	11 13/16" Straight	**31.50**
B4503	450-470 MHz	3 dB	11" Straight	**31.50**
B4703	470-490 MHz	3 dB	10 11/16" Straight	**31.50**
B4903	490-512 MHz	3 dB	10½" Straight	**31.50**

Ordering Guide - *Clear, Easy & Sensible!*

BB4505CNS = *Medium Black Base, 450-470 MHz, 5 dB, Closed Phasing Coil, No Ground Plane Design, with Shock Spring.*

B	***Antenna Style***	***B*** = *Medium Base* ***C*** = *Tall Base*
B	***Finish***	***Blank*** = *Chrome* ***B*** = *Black Finish* ***W***= *White Housing*
450	***Frequency***	*Frequency component of part number in bold below:* ***26***-28 ***30***-35 ***34***-37 ***37***-40 ***40***-47 ***47***-50 ***66***-174 ***132***-525 ***132***-174 ***132***-928 ***144***-174 ***200***-225 ***200***-250 ***250***-280 ***406***-430 ***430***-450 ***450***-470 ***470***-490 ***490***-512 ***806***-866 ***896***-970
5	***Gain***	***Blank*** = *Unity* ***2*** = *2.4 dB* ***3*** = *3 dB* ***5*** = *5 dB*
C	***Phasing Coil***	***Blank*** = *Straight or Tapered Rod* ***C*** = *Closed Phasing Coil (collinear radiator only)*
N	***Ground Plane***	***Blank*** = *Ground Plane required* ***N*** = *No Ground Plane required*
S	***Spring Option***	***S*** = *Spring Option*

All coils are tuned on a network analyzer before packaging to assure proper performance.

Model	Frequency	Gain	Whip Style	MSRP
UHF CLOSED COIL COLLINEAR MODELS				
B4065C	406-430 MHz	5 dB	37 3/8" Collinear	**39.24**
B4305C	430-450 MHz	5 dB	34 1/8" Collinear	**39.24**
B4505C	450-470 MHz	5 dB	32¾" Collinear	**39.24**
B4705C	470-490 MHz	5 dB	31¼" Collinear	**39.24**
B4905C	490-512 MHz	5 dB	29 1/8" Collinear	**39.24**
UHF NO GROUND PLANE BASE LOADED 1/2 WAVE MODELS				
B4302N	430-450 MHz	2.4 dB	10 5/8" Straight	**32.46**
B4502N	450-470 MHz	2.4 dB	10 5/16" Straight	**32.46**
UHF NO GROUND PLANE CLOSED COIL COLLINEAR MODELS				
B4065CN	406-430 MHz	5 dB	34 1/8" Collinear	**46.87**
B4305CN	430-450 MHz	5 dB	32 7/8" Collinear	**46.87**
B4505CN	450-470 MHz	5 dB	30½" Collinear	**46.87**
B4705CN	470-490 MHz	5 dB	28 7/16" Collinear	**46.87**
B4905CN	490-512 MHz	5 dB	27 1/8" Collinear	**46.87**
800 MHz BASE LOADED 5/8 WAVE MODELS				
B8063	806-866 MHz	3 dB	4 7/8" Straight	**26.88**
800/900 MHz BASE LOADED CLOSED COLLINEAR MODELS				
B8065C	806-866 MHz	5 dB	16" Collinear	**42.51**
B8965C	896-970 MHz	5 dB	13¾" Collinear	**42.51**
800 MHz NO GROUND PLANE BASE LOADED ½ WAVE MODELS				
B8062N	806-866 MHz	2.4 dB	4 7/8" Straight	**30.08**
800/900 MHz NO GROUND PLANE CLOSED COLLINEAR MODELS				
B8065CN	806-866 MHz	5 dB	16" Collinear	**49.28**
B8965CN	896-970 MHz	5 dB	13¾" Collinear	**49.28**

Model	Description	MSRP
SPRING OPTION ACCESSORY		
S	Shock Spring for B and C Coils	**10.36**
SB	Black Chrome Shock Spring for B & C Coils	**16.90**
BLACK CHROME FINISH OPTION		
B	Black LowBand, VHF, UHF or 800/900 MHz	**12.50**
MOBILE TO BASE CONVERTERS		
MBC	Mobile-to-Base Conv. for VHF, UHF w/ SO239	**30.90**
MBCN	Mobile-to-Base Conv. for VHF, UHF w/ N Term.	**30.90**
MBC800	Mobile-to-Base Conv. for 800/900 MHz w/ N	**30.90**

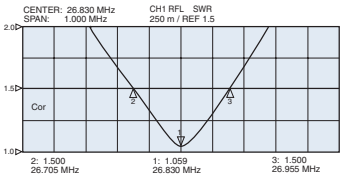
Add "S" to the end of the part number to receive a coil with spring.
Add a "B" to the part number to indicate black finish.
See the Ordering Guide above for details.
800/900 MHz models are not available with a spring.
Models with whips >49" are not available in black but may be painted upon installation.

Features & Benefits

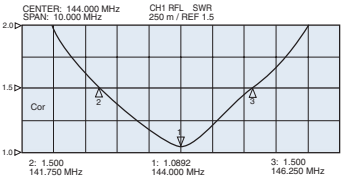
- Triple Chrome Plated Rod Ferrules & Bushings
- Three Dimensional Coil Form
- Silver Soldered Contacts
- 17-7 ph Stainless Whip
- Gold Push Pin Contact
- O-ring in the Base

Custom Tuning Available. Only $10.00

VSWR



C27



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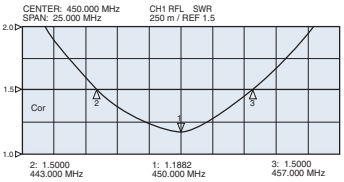
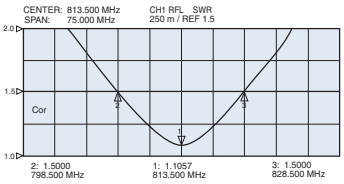


B4505C



B8065C

Removable Rod

Gold Contact
Lifetime Product Identification

CB27 **BW1443** **BB1443S** **BB4505C** **BB8063**

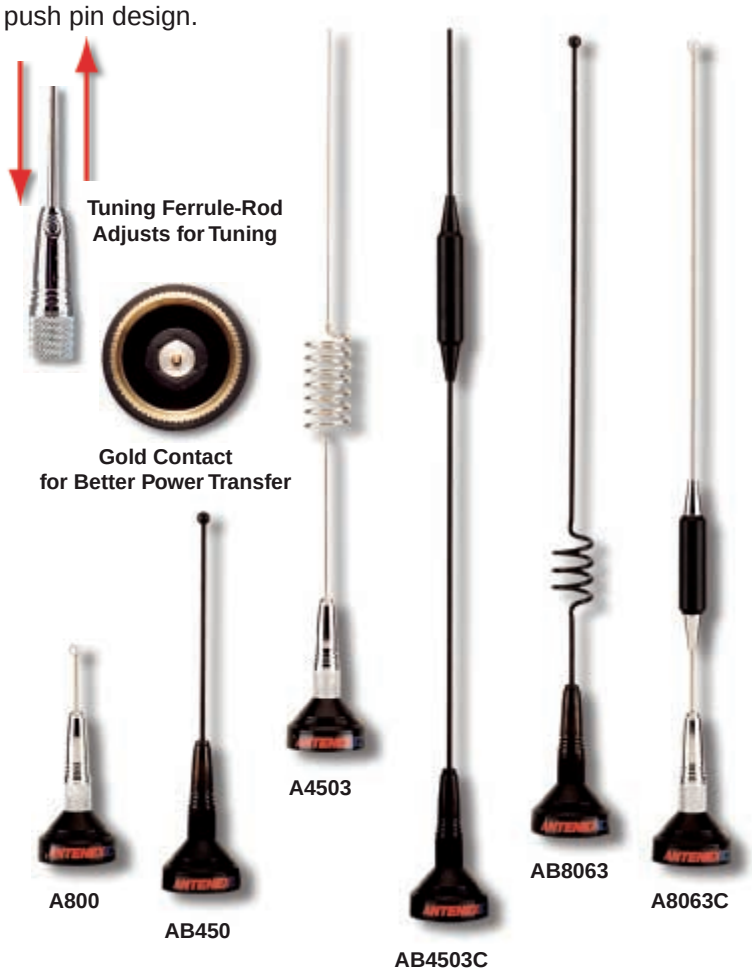
B1443 **B4505C** **C27**

Technical Data - *Product Features & Information*

Gain:	*See model.*
Frequency Range:	*See model.*
VSWR:	*<1.5:1 unless otherwise noted, <2:1 for Lowband.*
Maximum Power:	*All models - 200 watts.*
Bandwidth:	*See representative VSWR plot.*
Impedance:	*50 ohms.*
Tuning:	*Models are shipped at the lowest frequency in the range. Custom factory tuning is available.*
Mounting Base:	*Molded high heat ABS with copper, nickel, brite or black chrome solid brass inserts.*
Radiator:	*17-7ph tapered stainless steel whip or 17-7ph straight stainless steel collinear with a centerless ground finish or black chrome plate.*
Coil Form:	*3 dimensional precision machined delrin.®*
Phasing Coils:	*Silver plated tempered brass.*
Contacts:	*Gold plated push pin.*
Mounts to:	*3/4", 3/8", Magnetic and Mini-Trunk mounts.*
Quality Assurance:	*100% tested on a network analyzer.*

A-Base Antennas *Quarterwave, Collinear and Broad Band*

The ***ANTENEX***® "A-Base" style antenna offers a durable mounting chassis that supports a wide range of rod styles, frequencies, and gain choices. The "A-Base" features a rugged ABS body with insert molded threaded ring and a triple-chrome plated ferrule. The base contact is a highly reliable gold plated push pin design.



Model	Frequency	Gain	Radiator	MSRP
RUGGED BROADBAND QUARTERWAVE MODELS				
Chrome Models				
AFT	118-896 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
A150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
A450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
A800	800-896 MHz	Unity	0.100" Dia. 1/4 Wave	18.03
Axxx	Factory Tuned (xxx = center frequency)			23.18
Chrome Models With Spring add.				9.79
Black Models				
ABFT	118-896 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
AB150	150-174 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
AB450	450-470 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
AB800	800-896 MHz	Unity	0.100" Dia. 1/4 Wave	22.15
ABxxx	Factory Tuned (xxx = center frequency)			27.30
Black Models With Spring add.				15.97
UHF COLLINEARS				
Chrome Models				
A4503	450-470 MHz	3.5 dB	Open Collinear	27.81
A4503C	450-470 MHz	3.5 dB	Closed Collinear	29.87
Chrome Models With Spring add.				9.79
Black Models				
AB4503	450-470 MHz	3.5 dB	Open Collinear	31.93
AB4503C	450-470 MHz	3.5 dB	Closed Collinear	33.99
Black Models With Spring add.				15.97

Ordering Guide - Clear, Easy & Sensible!

AB4503CS = *Low Profile Base, Black, 450-470 MHz, 3.5 dB, Closed Coil, Spring.*

A	***Antenna Style***	***A*** = *Low Profile Base*
B	***Finish***	***Blank*** = *Chrome Finish* ***B*** = *Black Finish*
450	***Frequency***	*Frequency component of part number in bold below:* ***xxx*** = *Specify Center Frequency,* ***FT*** = *Field Tunable* ***118***-*896* ***150***-*174* ***450***-*470* ***806***-*896* ***896***-*970*
3	***Gain***	***0*** = *Unity Gain* ***3*** = *3 dB or 3.5 dB* ***5*** = *5 dB*
C	***Coil Option***	***Blank*** = *Straight Rod or Open coil* ***C*** = *Closed Phasing Coil* ***CT*** = *Closed Trilinear Phasing Coil*
S	***Spring Option***	***S*** = *Spring Option*

Model	Frequency	Gain	Radiator	MSRP
800/900 MHz ANTENNAS				
Chrome Models				
A8063	806-896 MHz	3 dB	Open Collinear	23.18
A8963	896-970 MHz	3 dB	Open Collinear	23.18
A8063C	806-896 MHz	3.5 dB	Closed Collinear	27.79
A8065CT	806-896 MHz	5 dB	Closed Trillinear	34.31
Black Models				
AB8063	806-896 MHz	3 dB	Open Collinear	36.05
AB8963	896-970 MHz	3 dB	Open Collinear	36.05
AB8063C	806-896 MHz	3.5 dB	Closed Collinear	40.66
AB8065CT	806-896 MHz	5 dB	Closed Trillinear	47.18
800 MHz ANTENNAS WITH SPRING				
Chrome Models				
A8063S	806-896 MHz	3 dB	Open Collinear	32.96
A8063CS	806-896 MHz	3.5 dB	Closed Collinear	37.57
A8065CTS	806-896 MHz	5 dB	Closed Trillinear	44.09
Black Models				
AB8063S	806-896 MHz	3 dB	Open Collinear	51.76
AB8063CS	806-896 MHz	3.5 dB	Closed Collinear	56.63
AB8065CTS	806-896 MHz	5 dB	Closed Trillinear	63.15

Model	Description	MSRP
SPRINGS		
AS	Low Profile Base Chrome Spring w/Key & Set Screw	9.79
ASB	Low Profile Base Black Spring w/Key & Set Screw	15.97

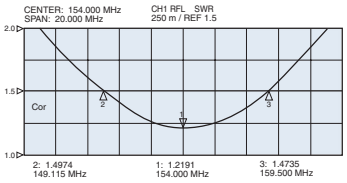
Technical Data - Product Features & Information

- ***Gain:*** *See model.*
- ***Frequency Range:*** *See model.*
- ***VSWR:*** *<1.5:1*
- ***Maximum Power:*** *200 watts*
- ***Bandwidth:*** *VHF - up to 25 MHz (with spring), UHF/800/900 - 100 MHz+*
- ***Impedance:*** *50 ohms*
- ***Mounting Base:*** *High temperature molded ABS with threaded brass insert.*
- ***Radiator:*** *Type 302 stainless steel with a brite or black chrome plate finish for .062" diameter rods. 17-7ph stainless steel with a centerless ground finish or black chrome plate for all other models.*
- ***Brass Fittings:*** *Highly polished brite or black chrome plated ferrule*
- ***Contacts:*** *Gold plated push pin contact on A style.*

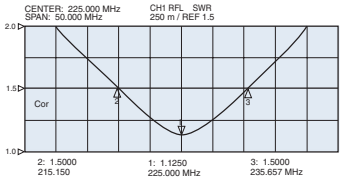
Quarterwave Antennas *Brass Contact*

Even our least expensive mobile antennas receive the most detailed attention. Both quarterwaves and 3 dB models feature a brass button contact and heavy duty specially formulated Stand-Up™ grommets that last longer and stay straighter. For any mobile application, you can be sure that ***ANTENEX®*** has a feature packed solution for you.

VSWR



QW152



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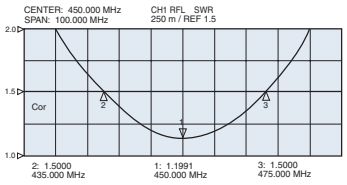
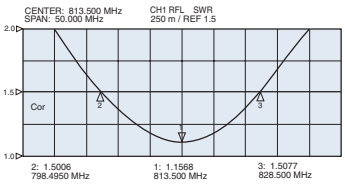


QW450



QW8063

Technical Data - *Product Features & Information*

- ***Gain:*** *Unity for 1/4 wave antennas and 3 dB for open coil flexible models.*
- ***Frequency Range:*** *See model.*
- ***VSWR:*** *<2.0:1*
- ***Maximum Power:*** *200 watts*
- ***Bandwidth @2.0:1:*** *QW152 - 18 MHz* *QW450 - 80 MHz* *QW800 - 150 MHz* *QW8253 - 40 MHz*
- ***Impedance:*** *50 ohms*
- ***Tuning:*** *Mid-band is standard. Custom tuning is available.*
- ***Mounting Base:*** *Brite or black chrome plated brass locking nut.*
- ***Radiator:*** *Type 302 stainless steel. Electropolished or black chrome plate on open coil collinears. Brite finish or black chrome plate on quarterwaves.*
- ***Contact:*** *Brass button.*
- ***Mounts to:*** *3/4" hole, 3/8" hole, Magnetic & Mini-Trunk mounts.*

Ordering Guide - *Clear, Easy & Sensible!*

QWB8253 = *Chrome Locking Nut Style, Black, 825-896 MHz, 3 dB.*

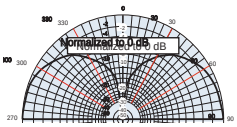
QW	***Antenna Style***	***QW*** = *Chrome locking nut style Antennas* ***Q*** = *Full length Quarterwave*
B	***Finish***	***Blank*** = *Chrome Finish* ***B*** = *Black Finish*
825	***Frequency***	*Frequency component of part number in bold below:* ***FT*** *(118-970)* ***27****-54* ***136****-144* ***144****-152* ***152****-162* ***162****-174* ***220****-225* ***406****-430* ***430****-450* ***450****-470* ***470****-490* ***490****-512* ***806****-866* ***806****-896* ***825****-896* ***896****-970*
3	***Gain***	***Blank*** = *Unity* ***3*** = *3 dB*

Model	Frequency	Radiator	MSRP
UNITY GAIN MODELS			
Stainless Models			
Q27S	27-54 MHz	102" 1/4 Wave	**104.97**
QW***	Customer Specified	1/4 Wave	**13.25**
QW136	136-144 MHz	1/4 Wave	**8.25**
QW144	144-152 MHz	1/4 Wave	**8.25**
QW152	152-162 MHz	1/4 Wave	**8.25**
QW162	162-174 MHz	1/4 Wave	**8.25**
QW220	220-225 MHz	1/4 Wave	**8.25**
QW406	406-430 MHz	1/4 Wave	**8.25**
QW430	430-450 MHz	1/4 Wave	**8.25**
QW450	450-470 MHz	1/4 Wave	**8.25**
QW470	470-490 MHz	1/4 Wave	**8.25**
QW490	490-512 MHz	1/4 Wave	**8.25**
QW800	806-896 MHz	1/4 Wave	**8.25**
QW900	896-970 MHz	1/4 Wave	**8.25**
QWFT120	Field Tunable	1/4 Wave	**9.90**
Black Models			
QWB***	Customer Specified	1/4 Wave	**19.75**
QWB136	136-144 MHz	1/4 Wave	**14.75**
QWB144	144-152 MHz	1/4 Wave	**14.75**
QWB152	152-162 MHz	1/4 Wave	**14.75**
QWB162	162-174 MHz	1/4 Wave	**14.75**
QWB220	220-225 MHz	1/4 Wave	**14.75**
QWB406	406-430 MHz	1/4 Wave	**14.75**
QWB430	430-450 MHz	1/4 Wave	**14.75**
QWB450	450-470 MHz	1/4 Wave	**14.75**
QWB470	470-490 MHz	1/4 Wave	**14.75**
QWB490	490-512 MHz	1/4 Wave	**14.75**
QWB800	806-896 MHz	1/4 Wave	**14.75**
QWB900	896-970 MHz	1/4 Wave	**14.75**
QWFTB120	Field Tunable	1/4 Wave	**16.40**
3 dB GAIN MODELS			
Stainless Models			
QW8063	806-866 MHz	Open Coil Flexible	**12.72**
QW8253	825-896 MHz	Open Coil Flexible	**12.72**
QW8963	896-970 MHz	Open Coil Flexible	**12.72**
Black Models			
QWB8063	806-866 MHz	Open Coil Flexible	**19.22**
QWB8253	825-896 MHz	Open Coil Flexible	**19.22**
QWB8963	896-970 MHz	Open Coil Flexible	**19.22**

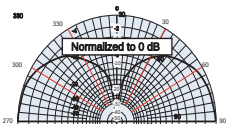
Model	Description	MSRP
ACCESSORIES		
QWNUT	Quarterwave Nut	**3.98**
QWNUTB	Quarterwave Nut Black	**4.38**
QWRC	Quarterwave Rain Cap	**3.29**
QWRCB	Quarterwave Rain Cap Black	**4.48**

See pages 32-37 for mounting options!

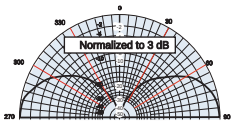
Vertical Field Patterns



QW152



QW450



QW8063

Elevated Feed Point & 5/16 Stud Mount Antennas

ANTENEX® elevated feed antennas are ideal when you want a good radiation pattern from your antenna but have a poor mounting location or a non-conductive mounting surface. The elevated feed style antenna typically mounts on the trunk of a vehicle while still allowing the radiating element to "look" over the roof line, luggage or ladder rack. Utilizing an internal circuit board counterpoise and transmission line, this antenna is one of the most durable in the industry.

ANTENEX® a stud mount antennas are available where a high quality replacement is required in an existing stud mount installation. These antennas can also be used in new installations where stud mount is the mount of choice

Model	Frequency	Gain	Phasing Coil	MSRP
800/900 3 dB & 5 dB GAIN ELEVATED FEED POINT ANTENNAS				
Chrome Models				
E8063	806-896 MHz	3 dB	Open	**78.65**
E8063C	806-896 MHz	3 dB	Closed	**86.90**
E8065C	806-896 MHz	5 dB	Closed	**90.20**
Black Models				
EB8063	806-896 MHz	3 dB	Open	**86.35**
EB8063C	806-896 MHz	3 dB	Closed	**94.60**
EB8065C	806-896 MHz	5 dB	Closed	**103.40**
EB8965C	896-970 MHz	5 dB	Closed	**103.40**
UHF 3 dB GAIN ELEVATED FEED POINT ANTENNAS				
Black Models				
EB4503C	450-470 MHz	3 dB	Closed	**92.40**

Model	Description	MSRP
STUD MOUNTS		
LO	Mount only, No Cable or Connector	**6.88**
L8	Mount with No Connector	**15.40**
L8U	Mount with No Connector	**15.40**

Model	Frequency	Gain	Radiator	MSRP
STUD MOUNT ANTENNAS				
Chrome Models				
L118	118-512 MHz	Unity	0.100" Dia. 1/4 Wave	**6.88**
L152	152-162 MHz	Unity	0.100" Dia. 1/4 Wave	**6.88**
L1443	144-174 MHz	3 dB	Tapered 5/8 Wave	**38.30**
L8063C	806-896 MHz	3.5 dB	Closed Collinear	**28.88**

Model	Description	MSRP
SPRING ACCESSORY FOR STUD MOUNT ANTENNAS		
LS	Shock Spring for Stud Mount Antennas	**11.55**
LSB	Black Shock Spring for Stud Mount Antennas	**14.70**

Ordering Guide - Clear, Easy & Sensible!

EB8063C = *Elevated Feed in Black, 806-896 MHz, 3 dB, Closed Phasing Coil.*

E	***Antenna Style***	***E*** = *Elevated Feed*
B	***Finish***	***Blank*** = *Chrome Finish* ***B*** = *Black Finish*
806	***Frequency***	*Frequency component of part number in bold below:* ***450***-470 ***806***-896 ***896***-970
3	***Gain***	***3*** = *3 dB Gain* ***5*** = *5 dB Gain*
C	***Coil***	***Blank*** = *Open Phasing Coil* ***C*** = *Closed Phasing Coil*

Rod Moves Up & Down For Greater Tuning Flexibility

Gold Plated Push Pin Contact for Better Power Transfer

Internal Circuit for Higher Durability

E8063

EB8063C

E8063C

L8063

L152

L1443

L8 Stud Mount

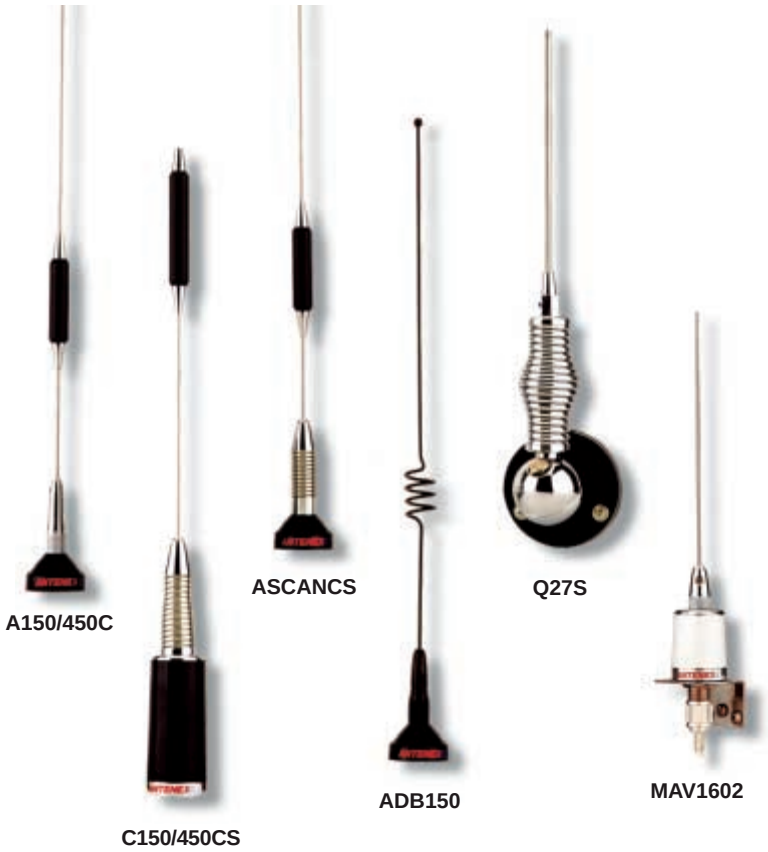
Dual Band & Special Applications

With **ANTENEX**® dual band antennas, you will experience outstanding performance on both the VHF and UHF bands. Our manufacturing techniques exercise tight control over all the parameters necessary to build a mobile gain antenna for outstanding performance on two nonharmonically related frequencies. We have fully tested these antennas for both VSWR and radiation efficiency against popular competitive brands and we are confident that they will deliver as much or more signal and range than any competitive model regardless of price.

Ordering Guide - *Clear, Easy & Sensible!*

ADB450S = *Black Low Profile Base Disguise Antenna, 450-470 MHz, Spring.*

AD	***Antenna Style***	***A*** = *Low Profile Base Antenna* ***AD*** = *Disguise Antenna (Cellular Look-Alike)* ***AHAM*** = *Ham Scanner Antenna* ***ASCAN*** = *Public Safety Scanner Antenna* ***C*** = *Tall Coil Base Dual Band Antenna*
B	***Finish***	***Blank*** = *Chrome Finish* ***B*** = *Black Finish*
450	***Frequency***	*Frequency component of part number in bold below:* ***144/440*** ***150***-*174* ***150/450***
Blank	***Open Coil***	***Blank*** = *Open Phasing Coil* ***C*** = *Closed Phasing Coil*
S	***Spring Option***	***S*** = *Spring Option*



Push Pin Contact for "B" & "C" Models

Base Contact on "A" Models

Model	Frequency	Gain	Radiator	MSRP
DUAL BAND ANTENNAS				
Chrome Models				
A150/450C	150-174/450-470	Unity	Closed Collinear	**30.51**
C144/440C	144-148/440-450	2/5dB	Closed Collinear	**50.20**
C150/450C	150-174/450-470	2/5dB	Closed Collinear	**50.20**
C144/440CS	144-148/440-450	2/5dB	Closed Collinear	**60.18**
C150/450CS	150-174/450-470	2/5dB	Closed Collinear	**60.18**
Black Models				
AB150/450C	150-174/450-470	Unity	Closed Collinear	**36.05**
CB144/440C	144-148/440-450	2/5dB	Closed Collinear	**63.87**
CB150/450C	150-174/450-470	2/5dB	Closed Collinear	**63.87**
CB144/440CS	144-148/440-450	2/5dB	Closed Collinear	**80.13**
CB150/450CS	150-174/450-470	2/5dB	Closed Collinear	**80.13**
DISGUISE ANTENNAS (CELLULAR LOOK-ALIKE)				
Chrome Model				
AD150	150-174 MHz	Unity	Short 1/4 Wave	**27.60**
Black Model				
ADB150	150-174 MHz	Unity	Short 1/4 Wave	**32.85**
SAIL BOAT MAST ANTENNA				
MAV1602	4 ft. No ground plane model			**43.50**
SCANNER ANTENNAS				
Chrome Model				
ASCANC	150/450/800	Rx Only	Closed Collinear	**30.51**
Black Model				
ABSCANC	150/450/800	Rx Only	Closed Collinear	**35.88**

Model	Description	MSRP
SPRING OPTION FOR ABOVE MODELS THAT BEGIN WITH "A"		
AS	Chrome Spring for above add...	**9.79**
ASB	Black Spring for above add...	**15.97**
Other Models		
Q27S	27-54 MHz Full Length Quarterwave Stainless Steel Spring	**104.97**
Q27PT20PI	Q27 Wiring Harness, 20'RG58A/U Crimp PL259 installed	**13.01**

Technical Data - *Product Features & Information*

- ***Gain:*** *See model.*
- ***Frequency Range:*** *See model.*
- ***VSWR:*** *<1.5:1 at center frequency.*
- ***Maximum Power:*** *200 watts*
- ***Impedance:*** *50 ohms*
- ***Mounting Base:*** *High temperature molded ABS with threaded brass insert.*
- ***Radiator:*** *17-7ph stainless steel with a centerless ground finish or black chrome plate. Type 302 with an electropolished or black chrome plate finish for the disguise series.*
- ***Coil Form:*** *3 dimensional precision machined delrin.® on C style dual band antennas.*
- ***Phasing Coils:*** *Silver plated tempered brass.*
- ***Contacts:*** *Gold plated push pin.*
- ***Mounts to:*** *3/4" hole, 3/8" hole, magnetic and mini-trunk mounts. The Q27S mounts directly through the vehicle.*

Discadoo™ Low Profile

Model	Frequency	MSRP
NMO Mount MODELS		
Ground Plane		
DISC806M	806-866 MHz	92.25
DISC824M	824-896 MHz	92.25
DISC2400M	2400-2500 MHz	92.25
No Ground Plane		
DISC806MN	806-866 MHz	97.45
DISC824MN	824-896 MHz	97.45
DISC890MN	890-960 MHz	97.45
DISC2400MN	2400-2500 MHz	97.45
SELF ADHESIVE MODELS WITH PIGTAILS		
Ground Plane		
DISC806P	806-866 MHz	83.23
DISC824P	824-896 MHz	83.23
DISC2400P	2400-2500 MHz	83.23
No Ground Plane		
DISC806PN	806-866 MHz	88.23
DISC824PN	824-896 MHz	88.23
DISC890PN	890-960 MHz	88.23
DISC2400PN	2400-2500 MHz	88.23

Pigtail standard coax cable length is 2 ft. of RG316 with a TNC female connector installed.
All models available in white

The Discadoo™ can be painted to match your car's color with any nonmetallic paint. The magnetic base version is shown on the vehicle above.

Side Pigtail

Bottom Pigtail

Ordering Guide - *Clear, Easy & Sensible!*

DISC806P = *Discadoo™ Antenna Model, 806-866 MHz, Pigtail*

DISC	***Antenna Style***	*Discadoo™ Low-Profile Saucer Style Antenna*
806	***Frequency***	*Frequency component of part number in bold below:* ***806***-866 ***824***-896 ***890***-960 ***2400***-2500
P	***Mount***	***M*** = *Standard NMO Mounting Socket* ***P*** = *Pigtail Model w/Self Adhesive Base & Female TNC*
Blank	***Plane***	***Blank*** = *Normal Model* ***N*** = *NGP - No Ground Plane Model*

The Discadoo™ Can Be Adjusted for Bottom or Side Path for the Cable.

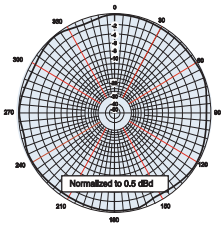
Upgrade an Existing NMO Installation!

Our NMO style Discadoo™ is designed to be mounted on a car for mobile communication applications.

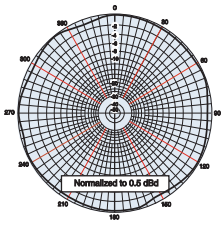
Technical Data - *Product Features & Information*

- ***Frequency Range:*** *806-866 MHz, 824-896 MHz, 890-960 MHz, 2400-2500 MHz*
- ***VSWR:*** *<2.0:1*
- ***Maximum Power:*** *100 watts*
- ***Impedance:*** *50 ohms, DC Continuity*
- ***Mounts to:*** *Any clean, flat surface or NMO type mount.*
- ***Mounting Base:*** *Adhesive, Magnetic or NMO*
- ***Radiator:*** *Brass radiator*
- ***Contact:*** *Female TNC*
- ***Cable:*** *24" RG316*

Horizontal Field Pattern



DISC824M



DISC890M

Multiversity™ Indoor Antenna

ANTENEX offers the MIA8063ST **M**ultiversity **I**ndoor **A**ntenna to maximize the flexibility and effectiveness of indoor communications. This antenna solution provides effective and clear communication for any in-building application. Add any ***ANTENEX*** Yagi directional antenna, such as the Y8066, and any bi-directional amplifier for the ideal RF solution.

The aesthetically pleasing **MIA** antenna is also versatile. The antenna requires no ground plane. It may be mounted anywhere from a ceiling grid tile to an office wall depending on your application.

Technical Data - Product Features & Information

- ***Frequency Range:*** *806-869 MHz*, *2.4-2.5 GHz*
- ***Gain:*** *3 dB*
- ***Impedance:*** *50 Ohms*
- ***VSWR:*** *<1.5:1*
- ***Polarization:*** *Dual Polarized Field Diversity.*
- ***Maximum Power Input:*** *100 Watts.*
- ***Mounting:*** *Single Hole Mount.*
- ***Self Adhesive Pad:***
- ***Termination:*** *Pigtail with Type N Female*
- ***Material:*** *Back Panel* — *ABS*; *Radiating Elements* — *PC Board*; *Radome* — *ABS*
- ***Weight:*** *.5 lb.*
- ***Application:*** *Ceiling or Wall Mount Microfill for Cellular, SMR & ESMR.*

MIA8063ST Ceiling Mount

MIA8063 Wall Mount

4.25"

Installs in as little as 30 seconds!

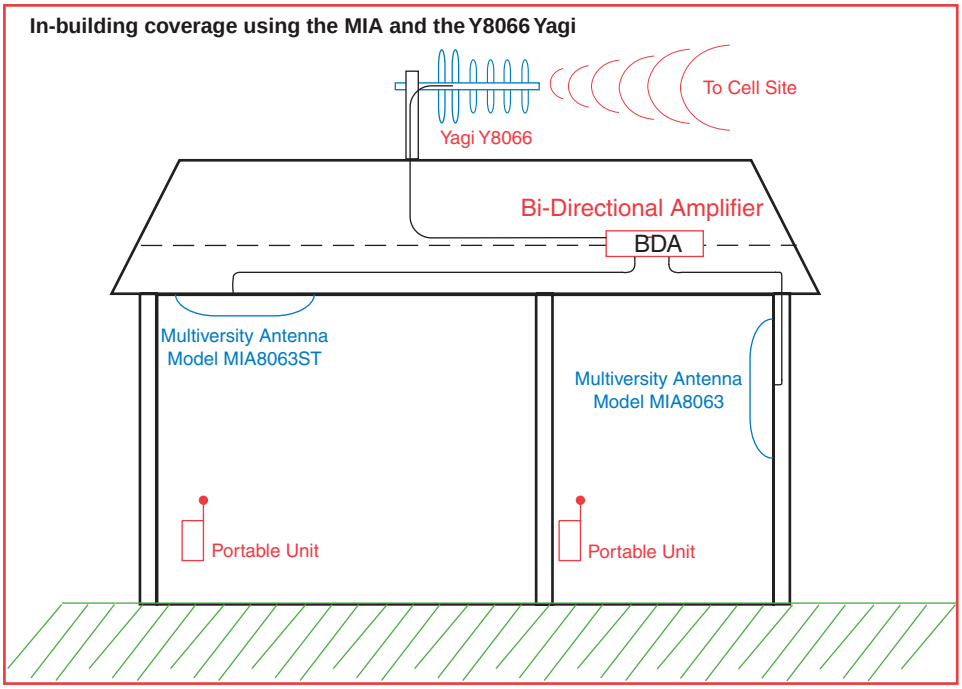
WIRELESS Design&Development® 2000 TECHNOLOGY AWARD WINNER

Model	Frequency	Description	Gain	MSRP
MIA8063	806-869	Wall mount	3 dB	**199.00**
MIA8063ST	806-869	Ceiling mount	3 dB	**199.00**
MIA24003	2.4-2.5	Wall mount	3 dB	**199.00**
MIA2400ST	2.4-2.5	Ceiling mount	3 dB	**199.00**

Many 800 MHz users experience coverage problems when using their subscriber units indoors, due to lack or loss of signal. Improve your phone system coverage in buildings, plants or warehouses with the Multiversity Dual Polarized Indoor Antenna (MIA8063ST) created exclusively for these applications by ***ANTENEX***.®

Speed of installation: The wall mount installs like a standard phone jack and the ceiling mount installs in 30 seconds. These are the lowest visibility in-building antennas on the market!

In-building coverage using the MIA and the Y8066 Yagi



MIA8063 Wall Mount

MIA8063ST Ceiling Mount

2.4 GHz Product Solutions

ANTENEX ® Gold Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is impregnated with a protective ultraviolet inhibitor.

Radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. Anodized mounting sleeves are tuned to eliminate RF currents from the transmission line resulting in a "cold" sleeve allowing great freedom in mounting. A high quality and well-focused beam provides the highest gain and best efficiency.

Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best VSWR performance.

*See the **ANTENEX*** ® **Freedom**™ *Series of mounts for a variety of mounting options on page 37.*

See Page 15 for MIA Details

MIA24003ST Ceiling Mount **MIA24003 Wall Mount**

Model	Description	Gain	MSRP
BASE AND FIXED ANTENNAS			
Omni Directional			
FG24003	2.4- 2.48 Fiberglass	3 dB	161.39
FG24006	2.4- 2.48 Fiberglass	6 dB	197.88
Directional			
YE240015	Enclosed Yagi antenna	12.5 dB	245.00
Multiversity			
MIA24003	2.4-2.5 Wall mount	3 dB	199.00
MIA2400ST	2.4-2.5 Ceiling mount	3 dB	199.00

Model	Description	MSRP
FIXED AND PERMANENT ANTENNAS		
DISCADOO™		
DISC2400PSM	Self Adhesive 2ft RG316 w/SMA	93.73
DISC2400PNSM	Self Adhesive 2ft RG316 w/SMA NGP	98.73
Phantom®		
TRA24003NP	White Permanent mt. No Ground Plane	56.16
TRA24003P	White Permanent mt.	55.63
TRAB24003N	Black Permanent mt. No Ground Plane	41.08
TRAB24003P	Black Permanent mt.	55.63
LOW PROFILE MOBILE		
Mobile Discadoo™ Antennas		
DISC2400M	NMO mount	92.25
DISC2400MN	NMO mount No Ground Plane	97.45
White 3 dB Gain Models		
Mobile & Mount Phantom® Antennas		
TRA24003	White Phantom® Antenna NMO Mount	38.70
TRA24003N	White Phantom® No Ground Plane	41.08
Black 3 dB Gain Models		
TRAB24003	Black Phantom® Antenna NMO mount	38.70
TRAB24003N	Black Phantom® No Ground Plane	41.08

Model	Description	Gain	MSRP
DEXC2400SM	4" w/SMA	Unity	20.66
DEXE2400TNX	8" w/ TNX	2.5 dB	30.96
DEXR2.46TN	Right Angle 8" w/TN	2.5 dB	31.37

The new YE series enclosed Yagi from ***ANTENEX*** ® features superior rugged construction. This 2.4 GHz Yagi antenna is completely sealed and cannot be disassembled by hand. The ***ANTENEX*** ® enclosed Yagi antenna is 12.5 dB gain, constructed laser cutboom and elements and has a folded dipole feed. The tubular radome is 18" long and 3" in diameter enclosed with two 2" stainless steel U-bolts for ease in mast mounting.

YE series enclosed Yagi with U-bolts

The ***ANTENEX*** ® Discadoo™

This exceptional antenna features a patented internal design that utilizes a classic planar-f style radiator to yield the lowest profile antenna in history. The ***ANTENEX*** ® Discadoo™ shown, is a self adhesive model with a pigtail of RG316 cable terminated with a TNC female connector. The Discadoo™ is also available with a gold plated push pin NMO style mount.

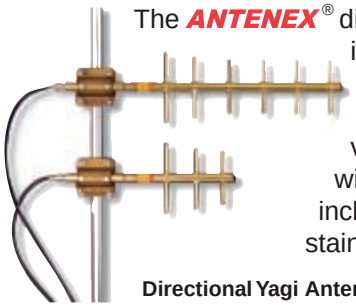
Fiberglass OMNI Base Station Antennas

Portable Antennas

Phantom® Family

TETRA Solutions

Model	Description	Gain	Bays	MSRP
Folded Dipole Array Antennas				
YDAF4032	403-470 MHz	8.5 dB	2 Bay ¼ wave	725.18
YDAF4034	403-470 MHz	8.5 dB	4 Bay ¼ wave	1,278.66
YDAF40342	403-470 MHz	8.5 dB	4 Bay ½ wave	1,278.66
Dipole Array Antennas				
YDA4302	430-450 MHz		2 Bay	151.50
YDA4304	430-450 MHz		4 Bay	309.00
Fiberglass Base Station Antennas				
FG4300	430-450 MHz	Unity		119.60
FG4303	430-450 MHz	3 dB		179.92
FG4305	430-450 MHz	5 dB		239.20
Voyager® Base Station Antennas				
VG4062	406-450 MHz	2 dBi		96.00
VG4065	406-450 MHz	5 dBi		122.40
VG4066	406-450 MHz	6 dBi		180.00
Yagi Directional Antennas - Gold Anodized/Fully Welded				
Y4303	430-450 MHz	7.1 dBd		133.91
Y4305	430-450 MHz	9.2 dBd		160.73
Y4306	430-450 MHz	10.2 dBd		171.52
Y43012	430-450 MHz	11 dBd		240.98
Yagi Directional Antennas - Silver Series Non-Welded				
YS4303	430-450 MHz	7.1 dBd		72.80
YS4305	430-450 MHz	9.2 dBd		98.80
YS4306	430-450 MHz	10.2 dBd		114.40
YS43012	430-450 MHz	11 dBd		177.65
Fixed Phantom® Transit				
TRA4303P	430-450 MHz	3 dB Perm.		55.63
Phantom® Transit Antennas				
TRA4303	430-450 MHz	3 dB		41.08
Genesis™ Wide-band Antennas				
CW4205C	420-450 MHz	5 dB Wideband		57.42
Base Loaded Mobile Coils				
B132	132-928	Unity		26.00
B4303	430-450 MHz	3 dB		31.50
B4305C	430-450 MHz	5 dB		39.24
B4305CN	430-450 MHz	5 dB NGP		46.87
Quarterwave Antennas				
QW430	430-450 MHz	Unity		8.25
"A-Base" Mobile Coils				
A430	430-450 MHz	Unity		18.03
A4303C	430-450 MHz	3 dB		29.87
Mobile Mounting Options				
MB8P	Mount 17'RG58 w/PL259			18.00
TM8P	Trunk Mt 17'RG58 w/PL259			29.63
G8PI	Magnet Mt 12'RG58 w/PL259			35.78
PORTABLES				
DEXC420	HT, KR, MD,MX, BN, BNX			16.58
	MR, SF, SFJ, SFU, TN TNX			20.66
DEXD420	HT, KR, MD, MX, BN, BNX			17.65
	MR,SF, SFJ, SFU, TN, TNX			21.78
DEXR420	KR, MX, BN, TN			31.37
DEXW400	MX, KR, BNX, TNX			39.27
DG400	BN, TN			36.21



The ANTENEX® directional Yagi antenna is available in a gold anodized fully welded version direct feed version or a silver traditional gamma matched version. Each Yagi ships complete with a high quality mounting kit that includes a heavy-duty bracket and stainless steel hardware

Directional Yagi Antennas

YDAF4034

Our two and four bay YDAF series of dipole arrays provide unmatched flexibility for both radiation pattern and frequency adjustment. Each Antenna is gold anodized, with fully welded elements and a nickel plated brass "N" connector.

VG4065

TRA4303

Gold Contact

Fiberglass OMNI Basestation Antennas

B132

B4305C

ANTENEX® Mobile antennas will stand up to the most rugged applications. They are used extensively on municipal vehicles, industrial vehicles, taxicabs and other high endurance applications.

CW4205C

The ANTENEX® **Genesis™** Wide-band antenna models have many advantages, including a gold plated push pin contact and no tuning, which translates into ease of installation and reduced cost. There is no need to trim the whip, just install out of the box!

TMB8 w/QWB430

The **Phantom's®** revolutionary design features low visibility, wide bandwidth and a low angle radiation pattern that is superior to traditional gain antennas in most applications. The technology is beneficial when high performance, extreme ruggedness and low profile is required.

MAB8

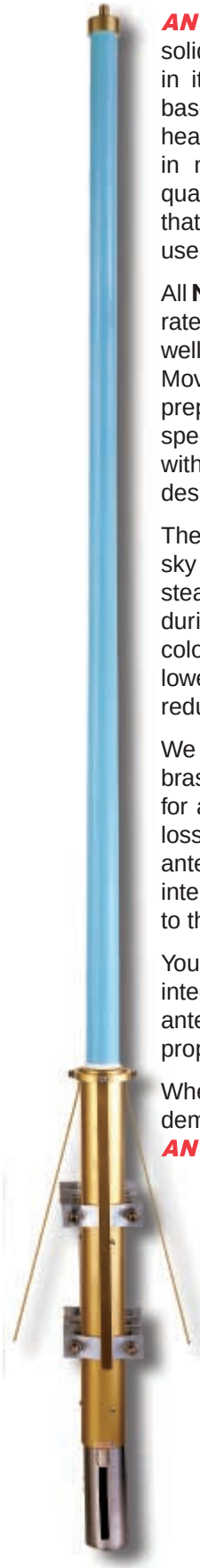
MB8

GR8 Mount

TM8

Whatever your TETRA application, ANTENEX® has the right mobile or base antenna solution for you.

Mountaineer™ *Fiberglass Communication Solution*



ANTENEX® combines functional elegance with solid electrical design and mechanical innovation in its **Mountaineer™** family of vertical fiberglass base station antennas. We employ an innovative heavy-duty radial system that allows for freedom in mounting and longer radial life. Only high quality aluminum and stainless steel materials that withstand severe weather conditions are used.

All **Mountaineer™** antennas feature flexible 50-year rated weather seals on all exposed joints as well as an improved condensation drain system. Moving a threaded plug from the top to the bottom prepares the antenna for inverted mounting. A special top cap allows for a narrower taper with lowered wind loading, further improving the design.

The woven fiberglass radome, with its low visibility sky blue color dyed into the resin, improves stealth characteristics. Adding the dye to the resin during the fiberglass curing process locks in the color. Additional high tech materials achieve a lowered cross-section mass for lighter weight and reduced wind load.

We use an industry standard nickel-plated solid brass N-female connector at the feed. This allows for a far better weather seal and lower insertion loss than the SO-239 connectors used in other antennas. **Mountaineer™** is designed with an internal vibration damping system that is superior to the competition.

You can also be assured of the highest quality and integrity for your installation as each **Mountaineer™** antenna is fully tested for return loss, gain and proper radiation pattern prior to shipment.

When you need an antenna to withstand the most demanding conditions look no further than the ***ANTENEX®*** **Mountaineer.™**

Ordering Guide - Clear, Easy & Sensible!

FGM45010 = **Mountaineer™** *Omnidirectional Fiberglass, 450-460 MHz, 10 dBd gain*

FGM	***Antenna Style***	***FGM*** *= Fiberglass - Gold Sleeve* **Mountaineer™**
450	***Frequency***	*Frequency component of part number in bold below:* ***150****-155* ***155****-160* ***160****-165* ***216****-225* ***450****-460* ***460****-470*
10	***Gain***	***5*** *= 5 dBd* ***7*** *= 7 dBd* ***10*** *= 10 dBd*

Model	Frequency Range	Tuned Frequency	Gain	MSRP
VHF 5 dB GAIN MODELS				
FGM1505	150-155 MHz	152 MHz	5 dBd	**1,743.27**
FGM1555	155-160 MHz	157 MHz	5 dBd	**1,743.27**
FGM1605	160-165 MHz	163 MHz	5 dBd	**1,743.27**
220 MHz 5 dB GAIN MODELS				
FGM2165	216-225 MHz	220 MHz	5 dBd	**1,743.27**
UHF 7 dB GAIN MODELS				
FGM4507	450-460 MHz	455 MHz	7 dBd	**2,058.00**
FGM4607	460-470 MHz	465 MHz	7 dBd	**2,058.00**
UHF 10 dB GAIN MODELS				
FGM45010	450-460 MHz	455 MHz	10 dBd	**2,278.50**
FGM46010	460-470 MHz	465 MHz	10 dBd	**2,278.50**

Model	Description	MSRP
MOUNTING OPTIONS		
FM3	Heavy Duty Mounting Bracket (2)	**118.02**
FM3W	Welded Heavy Duty Bracket (2)	**128.75**
LMR COAX OPTIONS		
R400100	100' Spool High Performance LMR400	**140.00**
R400500	500' Spool High Performance LMR400	**650.00**

Model	Description	MSRP
MOUNTAINEER ACCESSORIES		
LAIL350NN	Inline Lighting Arrestors N to N	**79.16**
LABH350NN	Bulkhead Lightning Arrestors N to N	**79.16**
CN400	N Male For LMR400	**8.00**
CCT213	Heavy Duty Crimp Tool	**71.95**
IA3MTP22	3M 2200 TAR SEAL	**6.75**

See Page 39 for more LMR connectors.
Free freight policy does not apply to **Mountaineer™** Antennas.

FM3W- Welded Heavy Duty Mounting Bracket

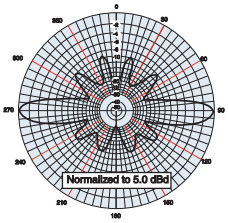
FM3 - Heavy Duty Mounting Bracket

LABH350NN - Bulkhead Lightning Arrestors N to N

LAIL350NN - Inline Lighting Arrestor N to N

Mountaineer™ FGM1505 shown w/ Optional FM3W Mounting Kit

Vertical Field Patterns



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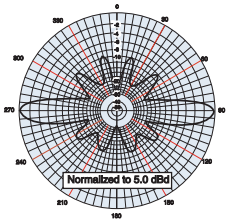

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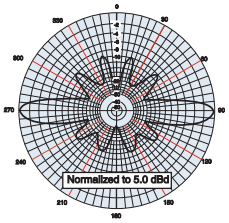

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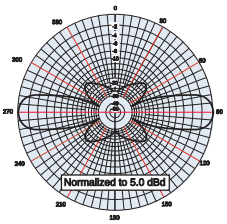

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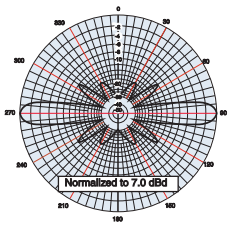

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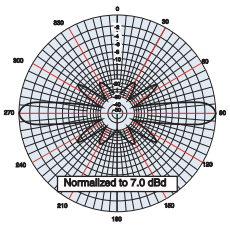
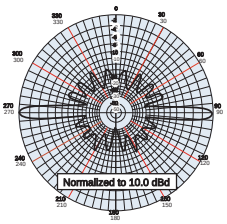


FGM4607



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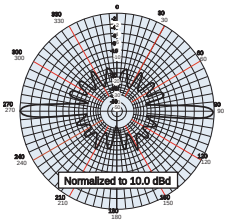


FGM46010

Top Cap

Heavy Duty Radial System

Base-N-Connector and Drain Plug

Custom Tuning Available Only $50.00

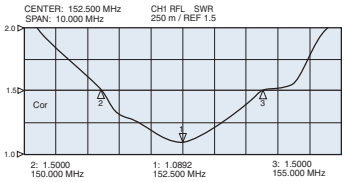
Mountaineer™ FGM4607 w/ Optional FM3W Mounting Kit

Mountaineer™ FGM45010 w/ Optional FM3W Mounting Kit

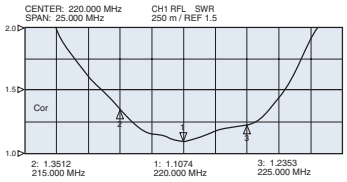
Technical Data - *Product Features & Information*

	VHF	220 MHz	UHF
Gain:	5 dBd	5 dBd	10 dBd
Frequency Range:	5 MHz	7 MHz	10 MHz
VSWR (across band):	1.5:1 Maximum	1.5:1 Maximum	1.5:1 Maximum
Maximum Power:	500 watts	500 watts	350 watts
Impedance:	50 ohms	50 ohms	50 ohms
Ground Plane:	Radials	Radials	Radials
Length:	24'	18'	22'
Weight:	26 lbs.	24 lbs.	26 lbs.
Connector:	Type "N"	Type "N"	Type "N"
Rated Wind Velocity:	145 M.P.H.	145 M.P.H.	145 M.P.H.
Polarization:	Vertical	Vertical	Vertical
Mounting:	3" OD	3" OD	3" OD
Termination:	Recessed type "N" female connector.		

VSWR



FGM1505



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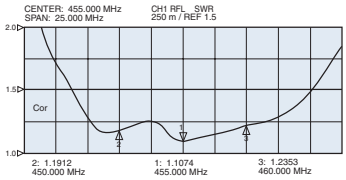

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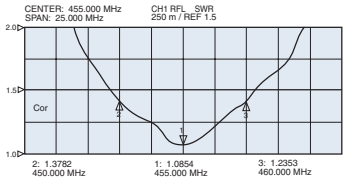


FGM45010

Fiberglass Omnidirectional *VHF, UHF, 800, 900 & 1200 MHz*

Features & Benefits

- Collinear Designs - High Performance
- High Density Fiberglass - Very Durable
- Special UV Treated - Stands Up to the Sun
- 100% Tested on a Network Analyzer
- Durable Gold Anodized Sleeve and Cap
- N Female Industry Standard Connector
- FedEx/UPS Shippable

Custom Tuning Available Only $25.00

FG8066 & FG8063 w/FM2 Mounting Option

N Female Base Connector

FM2 Mounting Bracket

Ordering Guide - Clear, Easy & Sensible!

FG1523 *= Omnidirectional Fiberglass 152-156 MHz, 3 dB.*

FG	*Mount Style*	***FG** = Fiberglass - Gold Sleeve*			
152	***Frequency***	*Frequency component of part number in bold below:*			
		***140**-144*	***144**-148*	***148**-152*	***152**-156*
		***156**-162*	***162**-168*	***168**-174*	***220**-225*
		***360**-380*	***380**-390*	***406**-416*	***410**-420*
		***420**-430*	***430**-440*	***440**-450*	***450**-460*
		***460**-470*	***470**-480*	***490**-500*	***500**-512*
		***806**-866*	***824**-896*	***851**-896*	***869**-902*
		***896**-940*	***902**-928*	***928**-970*	***936**-970*
		***2400**-2500*			
3	***Gain***	***0** = Unity*	***3** = 3 dB*	***5** = 5 dB*	
		***6** = 6 dB*	***7** = 7 dB*		

Model	Frequency Range	Tuned Frequency	Length	MSRP
VHF UNITY GAIN MODELS				
FG1400	140-144 MHz	142 MHz	68”	**156.00**
FG1440	144-148 MHz	146 MHz	68”	**156.00**
FG1480	148-152 MHz	150 MHz	68”	**156.00**
FG1520	152-156 MHz	154 MHz	68”	**156.00**
FG1560	156-162 MHz	159 MHz	68”	**156.00**
FG1620	162-168 MHz	165 MHz	68”	**156.00**
FG2200	220-225 MHz	222.5 MHz	68”	**156.00**
VHF 3 dB GAIN MODELS				
FG1403	140-144 MHz	142 MHz	107”	**240.72**
FG1443	144-148 MHz	146 MHz	107”	**240.72**
FG1483	148-152 MHz	150 MHz	107”	**240.72**
FG1523	152-156 MHz	154 MHz	107”	**240.72**
FG1563	156-162 MHz	159 MHz	107”	**240.72**
FG1623	162-168 MHz	165 MHz	107”	**240.72**
FG1683	168-174 MHz	171 MHz	107”	**240.72**
FG2203	220-225 MHz	222.5 MHz	107”	**240.72**
UHF UNITY GAIN MODELS				
FG4060	406-416 MHz	411 MHz	26”	**119.60**
FG4100	410-430 MHz	420 MHz	26”	**119.60**
FG4300	430-450 MHz	440 MHz	26”	**119.60**
FG4500	450-470 MHz	460 MHz	26”	**119.60**
FG4900	490-512 MHz	501 MHz	26”	**119.60**
UHF 3 dB GAIN MODELS				
FG3603	360-380 MHz	370 MHz	44”	**179.92**
FG3803	380-390 MHz	385 MHz	44”	**179.92**
FG4063	406-416 MHz	411 MHz	44”	**179.92**
FG4103	410-420 MHz	415 MHz	44”	**179.92**
FG4203	420-430 MHz	425 MHz	44”	**179.92**
FG4303	430-440 MHz	435 MHz	44”	**179.92**
FG4403	440-450 MHz	445 MHz	44”	**179.92**
FG4503	450-460 MHz	455 MHz	44”	**179.92**
FG4603	460-470 MHz	465 MHz	44”	**179.92**
FG5003	500-512 MHz	506 MHz	44”	**179.92**
UHF 5 dB GAIN MODELS				
FG4065	406-416 MHz	411 MHz	76”	**239.20**
FG4205	420-430 MHz	425 MHz	76”	**239.20**
FG4305	430-440 MHz	435 MHz	76”	**239.20**
FG4405	440-450 MHz	445 MHz	76”	**239.20**
FG4505	450-460 MHz	455 MHz	76”	**239.20**
FG4505W	450-470 MHz	460 MHz	76”	**239.20**
FG4605	460-470 MHz	465 MHz	76”	**239.20**
FG4705	470-480 MHz	475 MHz	76”	**239.20**
UHF 7 dB GAIN MODELS				
FG4407	440-450 MHz	445 MHz	107”	**352.76**
FG4507	450-460 MHz	455 MHz	107”	**352.76**
FG4607	460-470 MHz	465 MHz	107”	**352.76**
FG4907	490-500 MHz	495 MHz	107”	**352.76**
FG5007	500-512 MHz	506 MHz	107”	**352.76**

Technical Data - Product Features & Information

- ***VSWR:*** *VHF — 3 dB - 2:1, All other models — 1.5:1*
- ***Maximum Power:*** *100 watts - UHF and 800 models*
  150 watts - VHF models
- ***Impedance:*** *50 ohms, Models with DC continuity*
- ***Mounting Sleeve:*** *Heavy wall, gold anodized 1 1/4” aluminum.*
- ***Radiator:*** *Precision copper clad elements sealed in white ultraviolet-inhibiting fiberglass radome.*
- ***Mounts to:*** *See optional mounting kits listed above.*
- ***Antenna Length:***

Gain	VHF	UHF	800/900	1.2 GHz
Unity	68”	26”	15”	25”
3 dBd	107”	44”	25”	25”
5 dBd	N/A	76”	N/A	N/A
6 dBd	N/A	N/A	65”	65”
7 dBd	N/A	107”	N/A	N/A

- ***Vertical Beam Width:***

Unity	3 dBd	5 dBd	6 dBd	7 dBd
75	33	20	17	14

- ***Antenna Weight:*** *VHF 3 dBd & UHF 7 dBd = 8 lbs. All others = 6 lbs. (or less)*
- ***Termination:*** *Recessed type “N” female connector.*
- ***Wind Survival:*** *125 M.P.H.*
- ***Polarization:*** *Vertical Polarization*

ANTENEX® Gold Fiberglass Base Station antennas are collinear designs enclosed in a high density fiberglass, which is covered with a protective ultraviolet inhibiting coating.

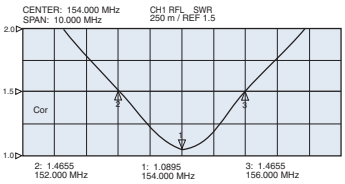
The radiating elements are made from high efficiency copper and are carefully phased to provide maximum gain in the horizontal plane. The mounting sleeves are tuned to eliminate RF currents from the transmission line resulting in a "cold" sleeve allowing great freedom in mounting. This high quality and well-focused beam provides the highest gain and best efficiency.

Every FG fiberglass base antenna is tested on a network analyzer before shipping to assure the best VSWR performance.

Model	Frequency Range	Tuned Frequency	Length	MSRP
800/900 MHz UNITY GAIN MODELS				
FG8060	806-866 MHz	813.5 MHz	15"	**96.81**
FG8240	824-896 MHz	835 MHz	15"	**96.81**
FG8960	896-940 MHz	898 MHz	15"	**96.81**
FG9360	936-970 MHz	953 MHz	15"	**96.81**
800/900 MHz 3 dB GAIN MODELS				
FG8063	806-866 MHz	813.5 MHz	25"	**144.70**
FG8243	824-896 MHz	835 MHz	25"	**144.70**
FG8693	869-902 MHz	882 MHz	25"	**144.70**
FG8963	896-940 MHz	898 MHz	25"	**144.70**
FG9023	902-928 MHz	915 MHz	25"	**144.70**
FG9283	928-970 MHz	930 MHz	25"	**144.70**
800/900 MHz 6 dB GAIN MODELS				
FG8066	806-866 MHz	813.5 MHz	65"	**187.45**
FG8246	824-896 MHz	835 MHz	65"	**187.45**
FG8966	896-940 MHz	898 MHz	65"	**187.45**
FG9026	902-928 MHz	915 MHz	65"	**187.45**
FG9286	928-936 MHz	930 MHz	65"	**187.45**
FG9366	936-970 MHz	947 MHz	65"	**187.45**
2.4 GHz 3 dB MODELS				
FG24003	2400-2500 MHz	2450 MHz	14"	**161.39**
2.4 GHz 6 dB MODELS				
FG24006	2400-2500 MHz	2450 MHz	24"	**197.88**

Model	Description	MSRP
Fiberglass Base Antennas Mounting Options		
FM1	Stainless Steel U-Bolt Mount (2)	**10.00**
FM2	Fiberglass Mounting Bracket (2)	**38.00**
FMS9	9 Inch Standoff (2)	**87.28**
FMW4	4 Inch Wall Mount	**21.60**
MOBILE TO BASE CONVERTER		
MBC	Mobile-to-base Converter for VHF and UHF, S0239 Terminated	**30.90**
MBCN	Mobile-to-base Converter for VHF and UHF, N Terminated	**30.90**
MBC800	Mobile-to-base Converter for 800 and 900 MHz, N Terminated	**30.90**
FIBERGLASS BASE ANTENNA ACCESSORIES		
LAIL350NN	Bulk Head Lightning Arrestor N to N	**79.16**
LABH350NN	In-Line Lightning Arrestor N to N	**79.16**
CCT213	Heavy Duty Crimp Tool	**71.95**
CN400	Type N Male	**8.00**
R400100	100' Spool High Performance LMR400	**140.00**
R400500	500' Spool High Performance LMR400	**650.00**
PT40025NN	Pigtail 25 ft. LMR400 N to N	**57.00**
PT40050NN	Pigtail 50 ft. LMR400 N to N	**92.00**
PT40075NN	Pigtail 75 ft. LMR400 N to N	**127.00**
PT400100NN	Pigtail 100 ft. LMR400 N to N	**156.00**

VSWR



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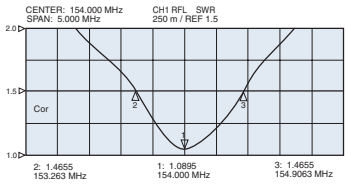

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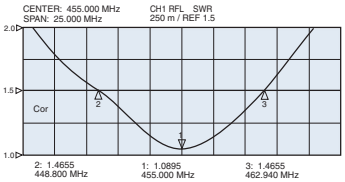

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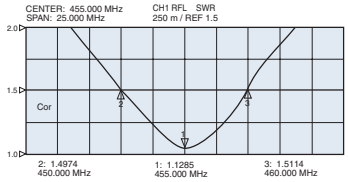

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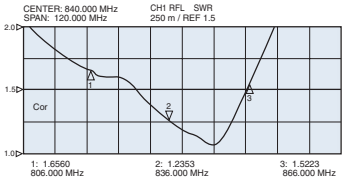
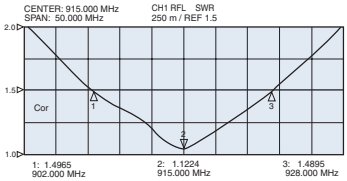
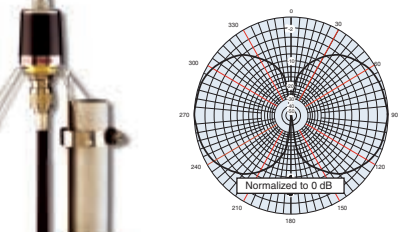


FG8066



FG9026

MBC800 Shown With Optional B8063 Antenna



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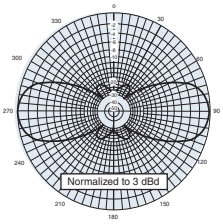

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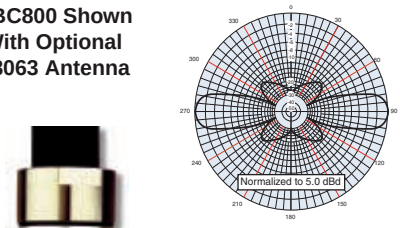

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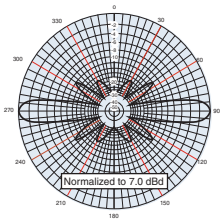

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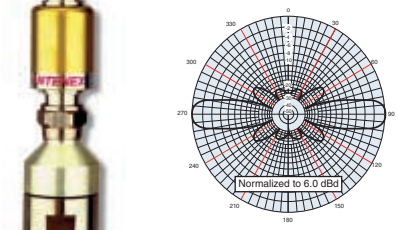
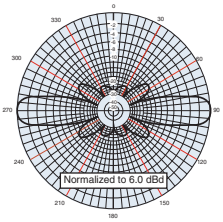


FG8066



FG9026

Vertical Field Patterns

LAIL350NN - Inline Lighting Arrestor N to N

Voyager® *Patented Internal Matching*

A classic design updated for the 21st century, the Voyager features superb design and manufacturing to give you an elegant, yet inexpensive base antenna that you can use over and over again. ***ANTENEX®*** has added many features that our competition hasn't even dreamed of. Our engineers have replaced the usual obnoxious tuning rings and phasing stubs with a state of the art patented internal matching network. Our plated N connector isn't left hanging in the wind, it is protected by the antenna sleeve. This gold anodized aluminum sleeve provides a protective covering as well as a great look and solid mounting.

Features & Benefits

- Gold Anodized Aluminum
- N Female Connector
- Broad Banded
- Patented Technology
- Internal Matching Network
- 100% Tested before Shipping
- FedEx/UPS Shippable
- Field Tunable

Technical Data

Product Features & Information

- ***Max Power:*** *250 watts (VHF, UHF)*
  500 watts (Lowband)
- ***Termination:*** *"N" Female, or optional SO239 connector*
- ***Impedance:*** *50 Ohms - DC Continuity*
- ***Lightning Protection:*** *DC Ground*
- ***Finish:*** *Gold Anodized*
- ***Radiator Material:*** *6061-T6 Aluminum Tube*
- ***Wind Survival:*** *100 M.P.H. (Standard)*
- ***Length:*** ***VHF*** *0 dBi: 55"; 5 dBi: 102" - typical extended*
  UHF *0 dBi: 25" ; 5 dBi: 35" typical extended*
  VE402: 240" - typical extended (other models vary)
- ***Vertical Beamwidth:*** *2 dBi: 70°, 5 dBi: 35°*
- ***Bandwidth @ 1.5:1 VSWR:*** *2 dBi: 5% of center frequency*
  5 dBi: 2.5% of center frequency
  6 dBi: 2% of center frequency
- ***Bandwidth @ 2.0:1 VSWR:*** *2 dBi: 10% of center frequency*
  5 dBi: 5% of center frequency
  6 dBi: 4% of center frequency
- ***Weight:*** *Lowband: 15 lbs*
  VHF Unity: 1.2 lbs
  VHF 5 dBi: 2.5 lbs
  UHF Unity: 0.6 lbs
  UHF 5 dBi: 1.5 lbs
- ***Equivalent Flat Plate Area:*** *VHF Unity: 36"²*
  VHF 5 dBi: 72"²
  UHF Unity: 15"²
  UHF 5 dBi: 22"²
- ***Windthrust @ 100 M.P.H. & 0ºF:*** *VHF Unity: 4.5 lbs*
  VHF 5 dBi: 11.6 lbs
  UHF Unity: 2.5 lbs
  UHF 5 dBi: 4 lbs
- ***Mounting:*** *FM2 All VHF or UHF models*
  FM3 or FM3W for lowband models

VG402, VG1502, VG4505
Voyager® Antennas

Ordering Guide - Clear, Easy & Sensible!

VG1505 = **Voyager®** *Gold Aluminum Base Antenna, 150-174 MHz, 5 dBi.*

VG	***Antenna Style***	***VG*** = **Voyager®** *Gold Aluminum Base Antenna*
150	***Frequency***	*Frequency component of part number in bold below:* ***34***-*40* ***40***-*47* ***132***-*150* ***150***-*174* ***406***-*450* ***450***-*512*
5	***Gain***	***2*** = *2 dBi* ***5*** = *5 dBi* ***6*** = *6 dBi*

U.S. Patent #5612705 - International Patents Pending.

Model	Frequency	Gain	MSRP
LOWBAND 2 dBi GAIN MODELS			
VG342	34-40 MHz	2 dBi	**342.00**
VG402	40-47 MHz	2 dBi	**342.00**
VG1502	150-174 MHz	2 dBi	**120.00**
VG1325	132-150 MHz	5 dBi	**165.60**
VG1505	150-174 MHz	5 dBi	**165.60**
VG1326	132-150 MHz	6 dBi	**210.00**
VG1506	150-174 MHz	6 dBi	**210.00**
VG4502	450-512 MHz	2 dBi	**96.00**
VG4065	406-450 MHz	5 dBi	**122.40**
VG4505	450-512 MHz	5 dBi	**122.40**
VG4506	450-512 MHz	6 dBi	**180.00**

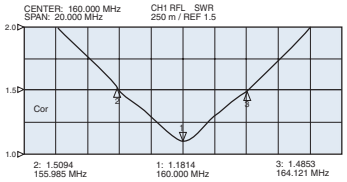
Model	Description	MSRP
MOUNTING OPTIONS		
FM2	Mounting Bracket (2)	**38.00**
LOWBAND MOUNTING OPTIONS		
FM3W	Center Weld Heavy Duty Base Mount (2)	**128.75**
FM3	Heavy Duty Large Base Mount (2)	**118.02**

To convert dBi (isotropic) to dBd (dipole) subtract 2.
All models are FedEx/UPS shippable

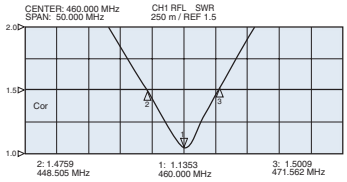
N Female Base Connector

FM2 Mounting Bracket

VSWR

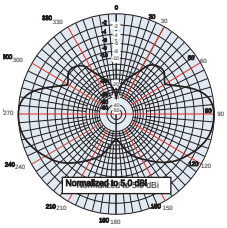


VG1505

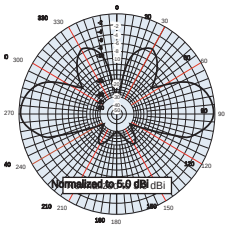


VG4505

Vertical Field Patterns



VG1505



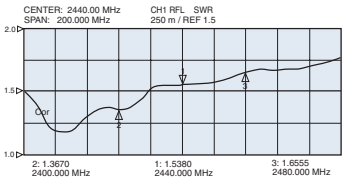
VG4505

Featuring superior rugged construction, the new YE series enclosed yagi from ***ANTENEX®*** is solidly constructed and cannot be disassembled by hand. This 2.4 GHz, 15 element Yagi antenna has a directional 12.5 dB gain, with an outdoor rated tubular radome. The antenna is 18" long and 3" in diameter and ships complete with two 2" stainless steel U-bolts and brackets for easy mast mounting.

Utilizing a heavy aluminum mounting plate for long-term survivability, the rigid laser cut aircraft quality aluminum internal element and air filled radome yields a higher efficiency and greater performance than any stamped or printed circuit versions. The antenna also features a low loss Teflon based folded dipole feed. Weighing in at only 1.6 lbs., this enclosed yagi comes with 18" of low loss coax cable and is terminated with an N female connector. The YE has a VSWR of <2.0:1 from 2.4 GHz to 2.48 GHz and can be mounted outdoors in the most harsh weather conditions. This antenna is the answer for your WLAN installation challenges!

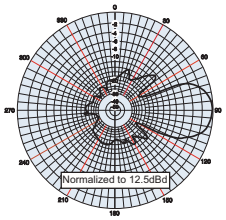
2.4 GHz Enclosed Yagi with U-bolts

VSWR



YE240015

Vertical Field Pattern



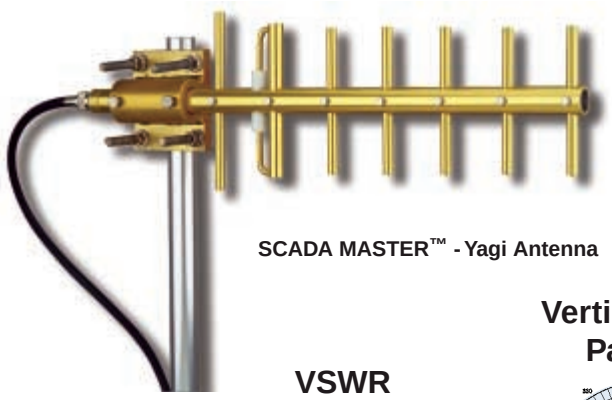
YE240015

Technical Data - *Product Features & Information*

- ***Frequency*** — *2.4 to 2.48 GHz*
- ***Gain*** — *12.5 dB*
- ***Impedance*** — *50 ohms*
- ***VSWR*** — *<2.1:1*
- ***Polarization*** — *Vertical*
- ***Front-to-Back Ration*** — *20 dB*
- ***Weight*** — *1.6 lbs*
- ***Termination*** — *18" pigtail of low loss cable terminated with an N female connector*
- ***Length*** — *18 inches long*
- ***Diameter*** — *3 inches*
- ***Mounts*** — *Included are two 2 inch U-bolts and brackets for easy mast mounting*

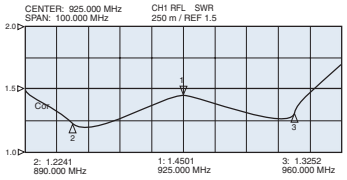
Model	Frequency	Gain	Front-Back Ratio	MSRP
YE240015	2400-2500 2.4 GHz	12.5 dBd	20 dB	**245.00**

The SCADA MASTER™ is a rugged broadband Yagi antenna specifically designed for professional fixed-station applications. ***ANTENEX®*** uses the highest quality materials to assure the best possible performance. The boom is fabricated of heavy duty 6061-T6 aluminum seamless drawn pipe and the elements are solid aluminum, not hollow tubing. It also features a folded dipole feed that enhances bandwidth performance and delivers trouble free weather resistance. The entire antenna is anodized for reliability and corrosion resistance. You can install it and forget it! The hardware and fastenings are stainless steel. The boom and all internal connections are completely sealed in a foam potting system. This helps to prevent moisture penetration which assures a long service life in even the most severe weather conditions. The heavy duty cast aluminum mount allows installation for both vertical and horizontal polarization.



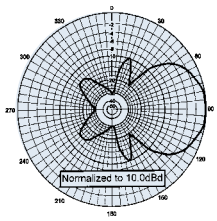
SCADA MASTER™ - Yagi Antenna

VSWR



YNT8967SM

Vertical Field Pattern



YNT8967SM

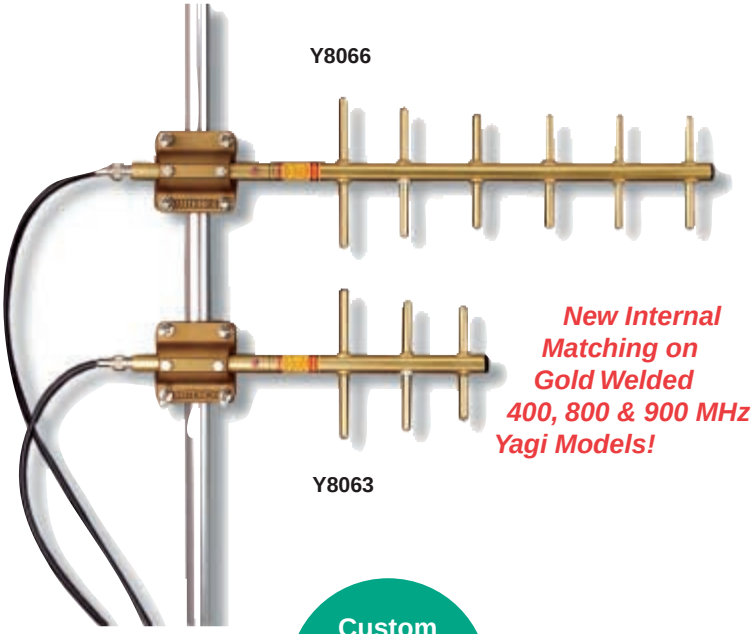
Technical Data - *Product Features & Information*

- ***Frequency:*** — *896-960 MHz (Broadband)*
- ***Gain:*** — *10 dBd*
- ***Impedance:*** — *50 ohms*
- ***VSWR:*** — *<1.5:1 (1.35:1 is typical)*
- ***Polarization:*** — *Horizontal or Vertical*
- ***Front-to-back Ratio:*** — *>20 dB*
- ***Maximum Input Power:*** — *100 watts*
- ***H-plane Beamwidth:*** — *48 degrees (half power)*
- ***E-plane Beamwidth:*** — *40 degrees (half power)*
- ***Termination:*** — *N Female (boom end)*
- ***Weight:*** — *3 lbs. (1.4 kg)*
- ***Dimensions:*** — *23" x 7" (584 x 178 mm)*
- ***Wind Survival Rating:*** — *200 mph (240 kph)*
- ***Shipping Dimensions:*** — *24" x 6" x 4" (610 x 406 x 102 mm)*
- ***Shipping Weight:*** — *5.0 lbs. (2.3 kg)*
- ***Mounting:*** — *For masts of 1.25 to 2.375 in OD*
- ***Temperature Range:*** — *150°F to 150°F*

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
YNT8967SM	896-960	7	10 dB	>20 dB	**312.50**

Directional Yagis - *Superior Quality and Performance!*

This is undoubtedly the most fully featured internally matched Yagi available. This design features an end-of-boom N connector feed with an internal transmission line feeding the driven element. Internal matching achieves broad bandwidth and is highly weather resistant. There is no gamma match to ice up, corrode or detune. The fully welded ***ANTENEX®*** Yagi antenna features 360-degree welds around each element and is fully gold anodized for corrosion resistance. Our engineering staff has optimized this product design for forward gain by computer analysis and then field-tested each for conformance.



New Internal Matching on Gold Welded 400, 800 & 900 MHz Yagi Models!

Custom Tuning Available Only $10.00

Ordering Guide - *Clear, Easy & Sensible!*

Y4505 = *Fully Welded Yagi in gold, 450-470 MHz, 5 Elements.*

Y — ***Antenna Style***
- ***Y*** = *Welded and Gold Anodized Yagi*
- ***YB*** = *Welded and Black Anodized Yagi*
- ***YS*** = *Silver Series Yagi*
- *Black finish is not available on the Silver Series.*

450 — ***Frequency***
Frequency component of part number in bold below:
136-150, ***150***-174, ***220***-250, ***406***-430, ***430***-450, ***450***-470, ***470***-490, ***490***-512, ***806***-896, ***896***-970

5 — ***Elements***
3 = *3 Elements*, ***5*** = *5 Elements*, ***6*** = *6 Elements*, ***12*** = *12 Elements*

Mounting brackets included at no extra charge.

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
FULLY WELDED NON-ANODIZED VHF MODELS					
YXXX3W	User Defined	3	7.1 dBd	17 dB	**246.10**
YXXX5W	User Defined	5	9.2 dBd	20 dB	**288.90**
GOLD ANODIZED VHF MODELS					
Y1363	136-150 MHz	3	7.1 dBd	17 dB	**154.93**
Y1365	136-150 MHz	5	9.2 dBd	20 dB	**210.52**
Y1503	150-174 MHz	3	7.1 dBd	17 dB	**155.07**
Y1505	150-174 MHz	5	9.2 dBd	20 dB	**209.73**
Y2203	220-250 MHz	3	7.1 dBd	17 dB	**155.21**
Y2205	220-250 MHz	5	9.2 dBd	20 dB	**209.73**
GOLD ANODIZED FULLY WELDED UHF MODELS					
Y4065	406-430 MHz	5	9.2 dBd	20 dB	**160.65**
Y4066	406-430 MHz	6	10.2 dBd	20 dB	**171.52**
Y4303	430-450 MHz	3	7.1 dBd	17 dB	**133.91**
Y4305	430-450 MHz	5	9.2 dBd	20 dB	**160.73**
Y4306	430-450 MHz	6	10.2 dBd	20 dB	**171.52**
Y43012	430-450 MHz	12	11 dBd	20 dB	**240.98**
Y4503	450-470 MHz	3	7.1 dBd	17 dB	**133.91**
Y4505	450-470 MHz	5	9.2 dBd	20 dB	**160.73**
Y4506	450-470 MHz	6	10.2 dBd	20 dB	**171.52**
Y45012	450-470 MHz	12	11 dBd	20 dB	**240.98**
Y4705	470-490 MHz	5	9.2 dBd	20 dB	**160.73**
Y4706	470-490 MHz	6	10.2 dBd	20 dB	**171.52**
GOLD ANODIZED FULLY WELDED 800/900 MHz MODELS					
Y8063	806-896 MHz	3	6 dBd	15 dB	**133.95**
Y8066	806-896 MHz	6	9 dBd	16 dB	**160.73**
Y80612	806-896 MHz	12	11 dBd	20 dB	**214.32**
Y8963	896-970 MHz	3	6 dBd	15 dB	**133.95**
Y8966	896-970 MHz	6	9 dBd	16 dB	**160.73**
Y89612	896-970 MHz	12	11 dBd	20 dB	**214.32**
REPLACEMENT MOUNTING KITS					
YM78	Yagi Mounting Kit for 7/8" Boom				**13.50**
YM190	HD Yagi Mounting Kit 7/8" to 4 1/2"				**43.20**
YM78HD	HD Yagi Mounting Kit for 7/8" Boom				**47.50**
YM100HD	HD Yagi Mounting Kit for 1" Boom				**47.50**
YM125HD	HD Yagi Mounting Kit 7/8" to 4 1/2"				**47.50**

Technical Data - *Product Features & Information*

- ***VSWR:*** *<1.5:1*
- ***Maximum Power:*** *500 watts - VHF*
  300 watts - UHF & 800/900 MHz
- ***Impedance:*** *50 ohms*
- ***Mounting:*** *VHF up to 2" mast. UHF and 800/900 MHz up to 1-5/8" mast.*
- ***Tuning:*** *All Yagi's are pre-tuned on a Network Analyzer. to the lowest frequency for that model.*
- ***Elements Material:*** *3/8" diameter solid 6061-T6 aluminum.*
- ***Boom Material:*** *Heat treated 6061-T6 aluminum tube.*
- ***Boom Diameter:*** UHF, 800/900 MHz - 7/8"
  VHF - 3 dB 7/8", 5 dB 1¼"
- ***Finish:*** *Protective gold or black anodized finish. Allow longer lead time for black finish models. Silver Series feature a bright finish.*
- ***Shipping:*** *All models are FedEx/UPS shippable. Welded VHF may require truck freight.*
- ***Assembly:*** *VHF models require light assembly. All other models come fully assembled.*
- ***Mounting:*** *Stainless steel brackets included.*
- ***Termination Type:*** *N Female. SO239 (UHF female available upon request).*
- ***Lightning Protection:*** *DC ground*
- ***Boom Length:***
  - ***VHF*** — *3 Element - 41-1/2"*, *5 Element - 72"*
  - ***UHF*** — *3 Element - 20-3/16*, *5 Element - 37"*, *6 Element - 44"*, *12 Element - 72"*
  - ***800/900*** — *3 Element - 16-3/4"*, *6 Element - 27-3/4"*, *12 Element - 49"*

Mounting Kits YM78HD, YM100HD, YM125HD

LAIL350NN - Inline Lighting Arrestor N to N

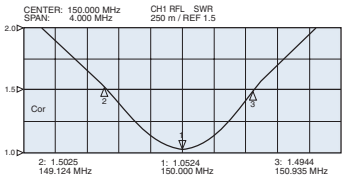
Don't forget, each Yagi is hand tuned on a network analyzer for best power match and lowest VSWR. This is your assurance of the best possible performance every time. Each yagi also ships complete with a high quality cast aluminum cast mounting kit that includes stainless steel hardware and allows vertical or horizontal orientation during install. Whether your installation calls for the super high durability of a fully welded Yagi or the lower cost, yet very high durability of a silver series Yagi, ***ANTENEX®*** promises to be the correct choice for your demanding application.

Model	Frequency	Elements	Gain	Front-Back Ratio	MSRP
SILVER SERIES VHF MODELS					
YS1363	136-150 MHz	3	7.1 dBd	17 dB	**104.00**
YS1503	150-174 MHz	3	7.1 dBd	17 dB	**104.00**
YS1505	150-174 MHz	5	9.2 dBd	20 dB	**156.00**
YS2165	216-225 MHz	5	9.2 dBd	20 dB	**156.00**
YS2203	220-250 MHz	3	7.1 dBd	17 dB	**104.00**
YS2205	220-250 MHz	5	9.2 dBd	20 dB	**156.00**
SILVER SERIES UHF MODELS					
YS3406	340-360 MHz	6	10.2 dBd	20 dB	**114.40**
YS4063	406-430 MHz	3	7.1 dBd	17 dB	**72.80**
YS4065	406-430 MHz	5	9.2 dBd	20 dB	**98.80**
YS4303	430-450 MHz	3	7.1 dBd	17 dB	**72.80**
YS4305	430-450 MHz	5	9.2 dBd	20 dB	**98.80**
YS4306	430-450 MHz	6	10.2 dBd	20 dB	**114.40**
YS43012	430-450 MHz	12	11 dBd	20 dB	**177.65**
YS4503	450-470 MHz	3	7.1 dBd	17 dB	**72.80**
YS4505	450-470 MHz	5	9.2 dBd	20 dB	**98.80**
YS4506	450-470 MHz	6	10.2 dBd	20 dB	**114.40**
YS45012	450-470 MHz	12	11 dBd	20 dB	**177.65**
YS47012	470-490 MHz	12	11 dBd	20 dB	**177.65**
YS4906	490-512 MHz	6	10.2 dBd	20 dB	**114.40**
SILVER SERIES 800/900 MHz MODELS					
YS8063	806-896 MHz	3	6 dBd	15 dB	**73.50**
YS8066	806-896 MHz	6	9 dBd	16 dB	**94.50**
YS80612	806-896 MHz	12	11 dBd	20 dB	**162.00**
YS8963	896-970 MHz	3	6 dBd	15 dB	**73.50**
YS8966	896-970 MHz	6	9 dBd	16 dB	**94.50**
YS89612	896-970 MHz	12	11 dBd	20 dB	**162.00**
ENCLOSED 2.4 GHz MODEL					
YE240015	2.4-2.5 GHz		12.5 dBb	20 dB	**245.00**

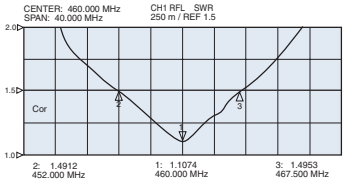
Model	Description	MSRP
ANTENNA MASTS		
YMST4	4'x1-1/4" OD x .065" wall alum. mast	**30.15**
YMST8	8'x1-1/4" OD x .065" wall alum. mast	**90.00**
YMST18	18'x1-1/4" OD x .065" wall alum. mast (2p)	**187.50**
YAGI ACCESSORIES		
LAIL350NN	Inline Lightning Arrestor N to N	**79.16**
LABH35NN	Bulk Head Lightning Arrestor N to N	**79.16**
CCT213	Crimp Tool For LMR400	**71.95**
CN400	N Connector For LMR400	**8.00**
R400100	100 ft. Roll of LMR400	**140.00**
R400500	500 ft. Roll of LMR400	**650.00**

YE 240015 Enclosed Yagi with U-bolts

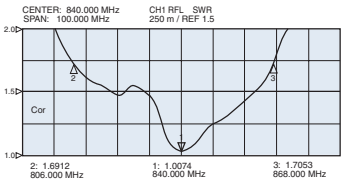
VSWR



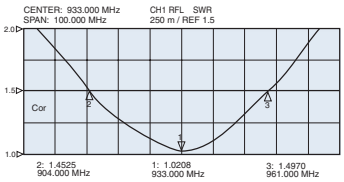
Y1503



Y4506

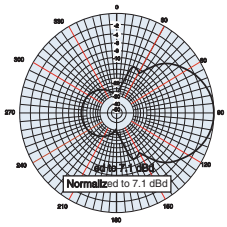


Y80612

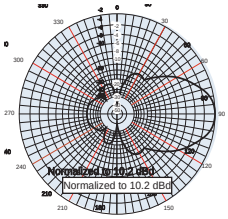


Y8966

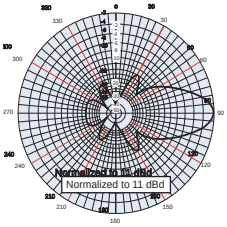
Vertical Field Patterns



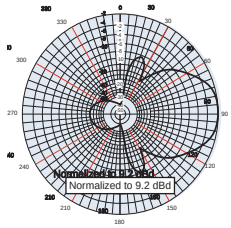
Y1503



Y4506



Y80612



Y8966

Close up of Traditional Gamma Match Silver Series Yagi

VHF Yagi antennas have bolted elements and require light assembly to maintain FedEx/UPS shippability.

Welded, black anodized Yagi antennas are the same price as gold models. Allow extra delivery time for black models.

The Silver Series Yagi antennas have the same great optimized designs and plated brass connectors as our welded gold anodized models.

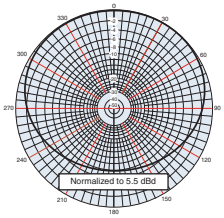
Gold welded 400, 800 and 900 models have internal direct feed matching. All other models have the traditional gamma match feed.

Folded Dipole Array

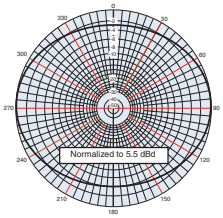
The ***ANTENEX***® Folded Dipole Array is a heavy duty, gold anodized and broadband antenna of the highest quality. This high gain version is available in 1/4 wave and 1/2 wave dipole-to-mast spacing to suit your specific pattern requirements. Ideally suited for multi-coupled systems, it features internal cabling and fixed dipoles. Our antennas are well suited for harsh weather environments where the anodized finish will maintain pattern performance over time.

Single Bay Folded Dipole

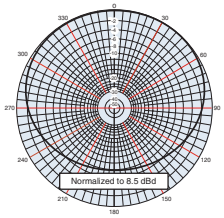
Vertical Field Patterns



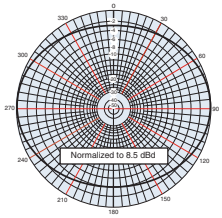
2 Bay 1/4 Wave Spacing



2 Bay 1/2 Wave Spacing

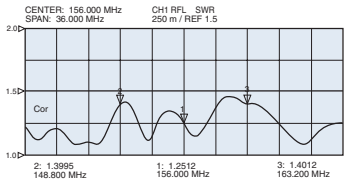


4 Bay 1/4 Wave Spacing

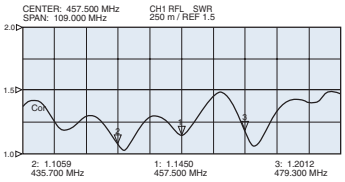


4 Bay 1/2 Wave Spacing

VSWR



YDAF1384-1/4
YDAF1384-1/2



YDAF4034-1/4
YDAF4034-1/2

YDAF4034 Internal Cabling

Ordering Guide - Clear, Easy & Sensible!

YDAF4034 = *Welded, Folded Dipole Array, 403-470 MHz, ¼ wave spacing, 4 Bays*

Y	***Antenna Style***	***Y*** = *Welded Folded Dipole Array*
DAF	***No-Tune***	***DAF*** = *Folded Dipole Array*
403	***Frequency***	*Frequency component of part number in bold below:* ***138***-*174* ***220***-*240* ***403***-*470*
4	***Bays***	***2 = 2 Bays, 4 = 4 Bays***
2		***Blank = ¼ wave, 2 = ½ wave***

Model	Frequency	Gain	Dipole Spacing	Bays	MSRP
Folded Dipole Array 2 Bay Antennas					
YDAF1382	138-174 MHz	5.5 dB	¼ wave	2 Bay	**725.18**
YDAF13822	138-174 MHz	5.5 dB	½ wave	2 Bay	**725.18**
YDAF2202	220-240 MHz	5.5 dB	¼ wave	2 Bay	**612.46**
YDAF4032	403-470 MHz	5.5 dB	¼ wave	2 Bay	**725.18**
Folded Dipole Array 4 Bay Antennas					
YDAF1384	138-174 MHz	8.5 dB	¼ wave	4 Bay	**1,278.66**
YDAF13842	138-174 MHz	8.5 dB	½ wave	4 Bay	**1,278.66**
YDAF2204	220-240 MHz	8.5 dB	¼ wave	4 Bay	**1,135.85**
YDAF4034	403-470 MHz	8.5 dB	¼ wave	4 Bay	**1,278.66**
YDAF40342	403-470 MHz	8.5 dB	½ wave	4 Bay	**1,278.66**

Model	Description	MSRP
Mounting Options		
FM3	Heavy Duty Large Base Antenna Mount (2)	**118.02**
FM3W	Heavy Duty Large Base w/ Center Weld (2)	**128.75**

FM3W- Welded Heavy Duty Mounting Bracket

FM3 - Heavy Duty Mounting Bracket

Technical Data - Product Features & Information

- ***Bandwidth:*** *YDAF1382: 138-174* *YDAF1384: 138-174* *YDAF2202: 220-245* *YDAF2204: 220-245* *YDAF4032: 403-470* *YDAF4034: 403-470*
- ***Power Rating:*** *300 watts all models*
- ***Lightning Protection:*** *DC Ground (all models)*
- ***Height:*** *YDAF1382: 120 in.* *YDAF1384: 240 in.* *YDAF2202: 96 in.* *YDAF2204: 168 in.* *YDAF4032: 80 in.* *YDAF4034: 120 in.*
- ***Weight:*** *YDAF1382: 18 lbs.* *YDAF1384: 56 lbs.* *YDAF2202: 22 lbs.* *YDAF2204: 36 lbs.* *YDAF4032: 12 lbs.* *YDAF4034: 15 lbs.*
- ***Rated Wind Velocity:*** *YDAF1382 / 1384: 120 mph.* *YDAF 2202 / 2204: 150 mph.* *YDAF 4032 / 4034: 150 mph.*
- ***Mast:*** *2.4 inch O.D. all models.*
- ***Temperature:*** *to 150° F*
- ***Termination:*** *24 inch RG213 coax with N Female Connector*

Dipole Array & Power Dividers

Don't let the price of our YDA Dipole antenna mislead you. This is a serious antenna with high class features, such as full gold anodization, fully welded elements, and nickel plated brass "N" connector. Our two and four bay dipole antenna array provides unmatched flexibility for both radiation pattern and frequency adjustment. Dipole Arrays will give you complete control over the frequency and power balance for your installation and may be mounted in configurations to create customized broadside, omnidirectional, or end fire patterns. Each model includes mounting kits for each dipole and a power divider for each system, and are FedEx/UPS shippable.

Custom pattern information is not provided for these arrays. They should therefore be installed by experienced installation technicians only.

Power Divider - YPD4N**

Dipole Array - YDA4504

Ordering Guide - Clear, Easy & Sensible!

YDA4504 *= Dipole Array, 450-470 MHz, 4 Dipole Bays.*

YDA	***Antenna Style***	***YDA*** *= Dipole Array*
450	***Frequency***	*Frequency component of part number in bold below:* ***136****-150* ***150****-174* ***450****-470* ***470****-490* ***490****-512*
4	***Quantity of Bays***	***2*** *= Dipole Bays* ***4*** *= Dipole Bays*

Mounting Brackets with stainless steel hardware included at no charge.

Model	Frequency	Omni Gain	Offset Gain	Dipole Bays	MSRP
DIPOLE ARRAYS 2 BAYS					
YDA1502	150-174	3 dB	6 dB	2	**151.50**
YDA4502	450-470	3 dB	6 dB	2	**151.50**
SINGLE OR REPLACEMENT DIPOLES					
YDA***1	Specify Freq.	Unity	N/A		**62.30**
DIPOLE ARRAYS 4 BAYS					
YDA1364	136-150	6 dB	9 dB	4	**309.00**
YDA1504	150-174	6 dB	9 dB	4	**309.00**
YDA4504	450-470	6 dB	9 dB	4	**309.00**
YDA4704	470-490	6 dB	9 dB	4	**309.00**
YDA4904	490-512	6 dB	9 dB	4	**309.00**
ANTENNA MASTS					
YMST4	4' X 1-1/4" OD X .065" wall aluminum mast				**28.54**
YMST8	8' X 1-1/4" OD X .065" wall aluminum mast				**85.20**
YMST18	18' X 1-1/4" OD X .065" wall alum mast (2pc)				**187.50**

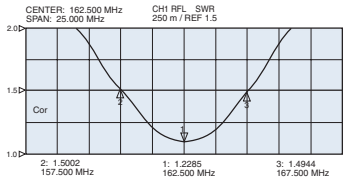
Model	Description	MSRP
REPLACEMENT POWER DIVIDERS / STACKING HARNESSES		
YPD***2N	For 2 bay array or to stack 2 Yagis (N)	**52.10**
YPD***2P	For 2 bay array or to stack 2 Yagis (PL259)	**26.05**
YPD***4N	For 4 bay array (N)	**119.83**
YPD***4P	For 4 bay array (PL259)	**67.73**
YPD8**2N	For stacking 2 800 MHz Yagis (N)	**52.10**
YPD9**2N	For stacking 2 900 MHz Yagis (N)	**52.10**

For a dipole array power divider, *** = Band.
For a stacking harness, *** = Center Frequency.
N suffix for type N connector harness.
P suffix for PL259 connector harness.

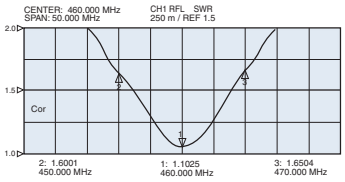
Technical Data - Product Features & Information

- ***VSWR:*** *<1.5:1*
- ***Max Power:*** *300 watts*
- ***Impedance:*** *50 ohms*
- ***Termination Type:*** *N Female and SO239 upon request*
- ***Lightning Protection:*** *DC Ground*
- ***Vertical Beam at 1/2 Power:*** *Unity - 90 degrees*
  3 dB - 39 degrees
  6 dB - 24 degrees
  9 dB - 15 degrees
- ***Mast Size Needed:*** ***VHF*** *3 dB - 8 ft.*
  6 dB - 18 ft.
  UHF *3 dB - 4 ft.*
  6 dB - 8 ft.
- ***Element Material:*** *3/8" diameter solid 6061-T6 aluminum rod*
- ***Wind Survival:*** *100 M.P.H.*
- ***Boom Material:*** *Heat treated 6061-T6 aluminum tube.*
- ***Hardware:*** *Stainless steel U-Bolt included.*

VSWR

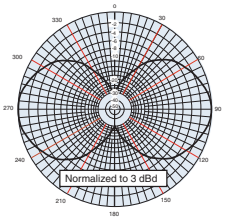


YDA1502

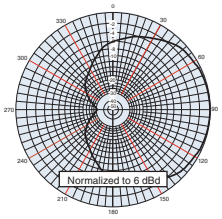


YDA1502

Vertical Field Patterns



YDA1502
Omnidirectional Pattern



YDA1504
Offset Pattern

In today's cluttered repeater environments, intermod solutions are the site manager's goal. The **StarGate™** product line from ***ANTENEX®*** is the solution to this problem.

The precise design of our intermod panels can reduce IM products by better than 35 dB, restoring receiver integrity in a harsh environment.

Don't be fooled by the phrase "Mobile Duplexer". Our rugged pass reject duplexers are perfect for your low power repeater operations. Our commitment to the site manager doesn't end there. ***ANTENEX®*** went the extra mile to provide an even higher quality "pass notch" rack mount base duplexer.

Perhaps you installed all new cables on your new trunking system and cut them to minimum lengths to save line loss and suddenly you notice that some devices run hot! Using line matchers will reduce heat caused by mismatched cable lengths that create inductive or capacitive loads, thus restoring 50 ohms to your feed lines.

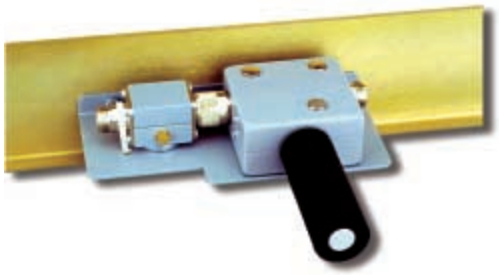
Once you have your transmitter in shape, don't neglect the receiver. ***ANTENEX®*** receiver amplifiers provide 16 dB gain or better with a low noise figure to complete your system.

NOTE: Free freight policy does not apply to some **StarGate™** models.

SGRA216B - Rx Amplifier

SGDM138B - Mobile Duplexer

SGDB440N - Base Duplexer



SGIP150N - Intermod Panel

Ordering Guide - Clear, Easy & Sensible!

SGDM150B - StarGate™ *Mobile Duplexer, 150 MHz, BNC connector*

SG	***Style***	***SG = StarGate™ Line***			
DM	***Type***	***DM*** = *Mobile Duplexer*	***DB*** = *Base Duplexer*		
		IP = *Intermod Panel*	***IS*** = *Isolator*		
		RA = *Amplifier*	***LM*** = *Line Matcher*		
150	***Frequency***	***108***-300	***138***-174	***144***-190	***146***-174
		150-225	***216***-225	***300***-650	***406***-512
		440-512	***650***-1000	***806***-960	
B	***Connector***	***B*** = BNC	***N*** = N connector		

When ordering, please indicate TX frequency and RX frequency

Model	Description	Connector	Frequency	MSRP
SGDM138B	Mobile Duplexer	BNC	138-174MHz	**598.97**
SGDM440B	Mobile Duplexer	BNC	440-512 MHz	**598.97**
SGDM806B	Mobile Duplexer	BNC	806-894 MHz	**598.97**
SGDM138N	Mobile Duplexer	N	138-174 MHz	**598.97**
SGDM440N	Mobile Duplexer	N	440-512 MHz	**598.97**
SGDM806N	Mobile Duplexer	N	806-894 MHz	**598.97**
SGDB144N	Base Duplexer	N	144-190 MHz	**1,265.00**
SGDB440N	Base Duplexer	N	440-512 MHz	**1,197.92**
SGIP150N	Intermod Panel	N	150-300 MHz	**1,288.52**
SGIP300N	Intermod Panel	N	300-650 MHz	**1,199.66**
SGIS150N	Isolator	N	150-225 MHz	**677.59**
SGIS300N	Isolator	N	300-650 MHz	**644.26**
SGLM108N	Line Matcher	N	108-300 MHz	**188.84**
SGLM300N	Line Matcher	N	300-650 MHz	**188.84**
SGLM650N	Line Matcher	N	650-1000 MHz	**188.84**
SGRA146B	RX Amplifier	BNC	146-174 MHz	**688.69**
SGRA216B	RX Amplifier	BNC	216-225 MHz	**710.91**
SGRA406B	RX Amplifier	BNC	406-512 MHz	**733.13**
SGRA806B	RX Amplifier	BNC	806-960 MHz	**821.99**

SGLM108N - Line Matcher

SGIS150N - Isolator

Technical Data - Product Features & Information

Description	*Frequency Band*	*Input Power*	*Isolation*	*Cavities*
• ***Mobile Duplexer***	*138-174 MHz*	*40 WATTS*	*70+ dB*	*6*
	440-512 MHz	*40 WATTS*	*70+ dB*	*6*
	138-174 MHz	*40 WATTS*	*70+ dB*	*6*
	440-512 MHz	*40 WATTS*	*70+ dB*	*6*
	806-894 MHz	*40 WATTS*	*80+dB*	*6*
• ***Base Duplexer***	*144-190 MHz*	*100 WATTS*	*80 dB*	*4*
	440-512 MHz	*100 WATTS*	*80 dB*	*4*
• ***Intermod Panel***	*150-300 MHz*	*125 WATTS*	*35+dB*	
	300-650 MHz	*125 WATTS*	*35+dB*	
• ***Isolator***	*150-225 MHz*	*20 WATTS*	*35+dB*	
	300-650 MHz	*20 WATTS*	*35+dB*	

DESCRIPTION	*Frequency Band*	*Input Power*	*Insertion Loss*
• ***Line Matcher***	*108-300 MHz*	*250 WATTS*	*0.15 dB*
	300-650 MHz	*250 WATTS*	*0.15 dB*
	650-1000 MHz	*250 WATTS*	*0.15 dB*

Description	*Frequency Band*	*Gain*	*Noise Figure*	*Bias Voltage*
• ***RX Amplifier***	*146-174 MHz*	*18.5 dB*	*3.0 dB*	*13.6V*
	216-225 MHz	*16.0 dB*	*3.5 dB*	*13.6V*
	406-512 MHz	*24.5 dB*	*2.4 dB*	*13.6V*
	806-960 MHz	*19.0 dB*	*3.4 dB*	*13.6V*

Installation Accessories

The BLACKHAWK™ Noise Suppressor.

The NS3035 noise suppressor is a general purpose low pass filter used to reduce power line noise in both audio frequency and RF ranges. Rated at a full 30 amps, this product can be used in heavy equipment and even with marine 24 volt systems. It will protect sensitive communication devices from large transient spikes which are commonly generated by the ignition system.

The NS3035 noise suppressor features a high impact molded plastic housing with encapsulated components in a waterproof, vibration proof compound. Heavy gauge wire and a high current rating make this product the ideal add-on for the professional two-way radio, cellular, marine, C.B., or car audio installation.

Model	Description	MSRP
BLACKHAWK™ Noise Suppressor Models		
NS1535	1-35 Volt 15 Amp Noise Suppressor	28.00
NS3035	1-35 Volt 30 Amp Noise Suppressor	40.00

NS1535 & NS3035 Noise Suppressors

The X-ACT™ Hole Saw.

A radio antenna installer's tool box just wouldn't be complete without the ***ANTENEX®*** *X-ACT™*. The *X-ACT™* cuts a precise hole in the vehicle mounting surface to allow the installation of industry standard ***ANTENEX®*** 3/4" permanent hole mounts. This innovative, one piece monolithic body design is machined from a single piece of hardened steel. It will not disassemble on the job!

The *X-ACT™* features a replaceable self-centering pilot drill (HS34DB) that prevents dangerous "walking" of the saw and a replaceable hardened saw blade (HS34RB). The *X-ACT™* also features a 1/8" depth limit that will prevent damage to the underlying headliner, yet it is deep enough to cut through thicker aluminum surfaces encountered on utility vehicles and ambulances. The *X-ACT™* is designed for a 3/8" drill chuck and is nickel plated to guard the tool against corrosion. The *X-ACT™* may also be used in other applications where a 3/4" hole is needed and depth is critical. Now in 3/8" also!

Model	Description	MSRP
X-ACT™ Hole Saw		
HS34	3/4" Hole Saw	30.00
HS38	3/8" Hole Saw	30.00
X-ACT™ Hole Saw Accessories		
HS34RB	3/4" Hole Saw Replacement Blades (2)	11.03
HS34DB	3/4" Hole Saw Replacement Pilot Drill Bit	5.78
HS38DB	3/8" Hole Saw Replacement Pilot Drill Bit	5.78

HS34 *X-ACT™* Hole Saw

HS38 *X-ACT™* Hole Saw

US Patent: #D377495 International Patents Pending.

HS34DB

HS38DB

HS34RB

The TRAPPER™ Lightning Arrester.

When installed properly in the feedline, the ***ANTENEX®*** TRAPPER™ lightning arrester can prevent costly repairs to sensitive radio equipment due to high energy transients during lightning strikes. The TRAPPER™ limits surges to less than 45 volts in approximately 100 nanoseconds. A gas discharge tube changes from an open circuit to a short circuit in the presence of energy and voltage surges giving those surges a direct path to ground, thus protecting equipment.

TRAPPER™ is designed with a rugged, gold anodized housing with high quality plated brass "N" connector and a user replaceable gas discharge tube (LA350GT). The TRAPPER™ comes in two models; the LABH350 which allows for bulk head mounting and connector pass-through, and the LAIL350 which allows in-line placement only.

Model	Description	MSRP
TRAPPER™ Lightning Arrester		
LABH350NN	Bulk Head Lightning. Arrester N to N	79.16
LAIL350NN	Inline Lightning. Arrester N to N	79.16
LAIL350PP	Inline Lightning. Arrester SO239 to SO239	74.16
LA350GT	Replacement Gas Tube for LA350 Models	18.00

LABH350NN - Bulkhead Lightning Arrestors N to N

LAIL350NN - Inline Lighting Arrestor N to N

Technical Data - Product Features & Information

- ***Maximum Power:*** *1000 watts - P.E.P. 0-1000MHz*
- ***Breakdown Voltage:*** *350 Vac*
- ***Impedance:*** *50 ohms*
- ***Insertion Loss:*** *27-500 MHz < 0.1 dB*
  1000 MHz < 0.25 dB
- ***VSWR:*** *0-150 MHz < 1.1:1*
  150-1000 MHz <1.2:1
- ***Protection:*** *5000 amps*

Portable Antennas

ANTENEX® portable antennas are manufactured with great structural integrity for maximum durability. Each antenna is individually tuned to standard frequency bands or your specific fixed transmit frequency for full gain and pattern performance. All connectors are machined to the highest tolerance and integrally secured for longer life.

Description No.	Model	Frequency	Connector	MSRP
LOW BAND 27-88 MHz				
1.	**DEXL** (specify TX)	**25**-88	HT, KR, MX	**40.60**
			BNX, TNX	**44.63**

This antenna is injection molded with a strain relief base. This base loaded antenna is factory tuned to your specific transmit fixed frequency. Approximately 11" long.

Specifically tuned lowband antennas are custom.

1.	**DEXL**	**25**-29, **30**-35, **36**-41, **42**-50, **66**-75, **76**-88	HT, KR, MX BNX, TNX	**40.60** **44.63**

This antenna is injection molded with a strain relief base. This antenna is completely field tunable via its adjustable base loading coil. It is available in 6 tunable bands. Approximately 11" long.

2.	**DEXW**	**30**-88	BNX, TNX	**39.27**

This antenna is an injection molded, highly efficient, continuous coverage, broadband model. Approximately 12" long.

VHF 118-225 MHz				
3.	**DEXB** (specify TX)	**118**-127, **127**-136 **136**-144, **144**-148 **148**-155, **150**-166 **164**-174, **220**-225	HT, KR, MX BN, BNX, SF SFJ, SFU, SM TN, TNX, PL	**16.58** **20.66**

Injection molded, helically wound, highly efficient 1/4 wave antenna with strain relief base. High durability. Approximately 6" long.

4.	**DEXS** (specify TX)	**118**-127, **127**-136 **136**-144, **144**-148 **148**-155, **150**-166 **164**-174, **220**-225	HT, KR, MX BN, BNX, SF SFJ, SFU, SM TN, TNX	**17.60** **21.73**

Injection molded shortened 1/4 wave, highly durable, helically wound with strain relief base. Approximately 3½" long.

5.	**DEXR** (specify TX.)	**136**-220 , **144**-148 **148**-155, **150**-166 **164**-174, **220**-225	BN, KR, MX, TN	**31.37**

1/4 wave helically wound coaxial antenna with an adjustable (0-90°) connector. Approximately 7½" long.

Description No.	Model	Frequency	Connector	MSRP
VHF 118-225 MHz (Continued)				
6.	**DEXW**	**136**-162, **148**-174 **220**-225, **225**-240	BNX, MX, TNX	**39.27**

Broadband portable antenna. Two models cover the entire VHF band. Approximately 8¾" long.

7.	**DTS**	**118**-174 Continuous (Order 150)	HT, KR, MR MX, BN, TN	**29.07** **40.29**

Full length telescopic 1/4 wave antenna with a flexible spring base. Approximately 21" long and collapses down to approximately 7½".

8.	**DV** (specify TX)	**118**-127, **127**-136 **136**-144, **144**-148 **148**-155, **150**-166 **164**-174, **220**-225	HT, KR, MX BN, TN	**17.34** **21.42**

PVC encapsulated shrink full length 1/4 wave with tapered cable design. Approximately 17" long.

UHF 300-512 MHz and Dual Band				
9.	**DEXC**	***308***-322, ***312***-318 ***400***-420, ***420***-450 ***450***-470, ***470***-512	HT, KR, MD MX, BN, BNX MR, SF, SFJ SFU, TN, TX	**16.58** **20.66**

This antenna is an injection molded flexible cable design. The antenna is 1/4 wavelength and is highly durable due to its strain relief base. Approximately 6" long.

10.	**DEXD**	***308***-322, ***312***-318 ***400***-420, ***420***-450 ***450***-470, ***470***-51	HT, KR, MD MX, BN, BNX, MR, SF, SFJ, SFU, SM, TN, TNX	**17.65** **21.78**

This antenna is an injection molded, shortened, helically wound design. The antenna is 1/4 wavelength and has a highly durable strain relief base. Approximately 3" long.

11.	**DEXR**	***308***-322, ***312***-318 ***400***-420, ***420***-450 ***450***-470, ***470***-51	KR, MX BN, TN	**26.98** **31.37**

This coaxial antenna is an injection molded 1/2 wavelength design. This antenna includes an adjustable (0-90°) locking connector. The overall length is approximately 6 ½".

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18.

Lowband **VHF** **UHF** **Trunking**

Description No.	Model	Frequency	Connector	MSRP
UHF 300-512 MHz and Dual Band (Continued)				
12.	**DEXW**	**400**-512	BNX, TNX	**39.27**

This antenna is a highly efficient, injection molded, broadband design. There is only one model for entire UHF Band! The overall length is 4¼".

13.	**DG**	***400***-*420*, ***420***-*450* ***450***-*470*, ***470***-*512*	BN, TN	**28.75**

This injection molded, highly durable, dual band antenna is made for your specific amateur or commercial band needs. The overall length is approximately 6¼".

TRUNKING AND SMR APPLICATIONS

14.	**DEXC**	**806**-866 **821**-902 **902**-960	HT, KR, MD, MX, BN, BNX, MR, SF, SFJ, SFU, SM, TN, TNX	**16.58** **20.66**

This antenna is injection molded with a 1/4 wavelength flexible cable design antenna. This antenna is highly durable due to its strain relief base. The overall length is approximately 4".

15.	**DEXE**	**806**-866 821-902 902-960 2400-2500	BN, BNX, MD, SF, SFU, SM TN, TNX	**30.96**

This injection molded 2.5 dB 1/2 wavelength dipole antenna is highly durable due to its strain relief base. The overall length of this antenna is 8".

16.	**DEXP**	**806**-866 **902**-960	SF, SFJ, SFU, SMS, SFJ, SFU	**34.94**

This injection molded antenna is an end fed 1/2 wavelength 2.5 dB gain model. It is available up to 941 MHz. The overall length of this antenna is 6½".

17.	**DEXR**	**806**-866 **821**-902 **902**-960	BN, MU, TN	**31.37**
		1850-1970	BN, TN	**31.37**
		2400-2500	TN	**31.37**

The antenna is a 1/2 wavelength 2.5 dB right angle. The overall length of this antenna is 8".

18.	**DEXS**	**806**-866 **902**-960	TN, MD, SF, SFJ, SFU, SM, SMS,	**21.73**

This injection molded helically wound 1/4 wavelength antenna is available up to 960 MHz. The overall length of this antenna is 2¼".

Ordering Guide - *Clear, Easy & Sensible!*

DV144TN *= DV Style Antenna, 144-148 MHz, with a TNC Male Connector*

DV — ***Antenna Style*** *DDR, DESC, DEXB, DEXC, DEXD, DEXE, DEXES, DEXG, DEXP, DEXR, DEXS, DEXW, DG, DTE, DTS, DV*

144 — ***Frequency*** *Frequency component of part number in bold below:*

118-*127*	***127***-*136*	***136***-*144*	***144***-*148*
148-*155*	***150***-*166*	***164***-*174*	***220***-*225*
308-*322*	***312***-*318*	***400***-*420*	***420***-*450*
450-*470*	***470***-*512*	***806***-*866*	***821***-*902*
902-*960*	***2400***-*2500*		

TN — ***Connector Style*** *HT, KR, MD, MX, = Threaded connectors*
BN, BNX, MR, PL, SF, SFJ, SFU,
SM, SMS, TN, TNX = Coax connectors.

Coaxial Connector Guide

BN: BNC Male. For all equipment requiring BNC, including GE® MPI, PLS, PCS; Kenwood® TK-100, TK-210, TK-300; Motorola® HT440, HT90; old Maxon®; E.F. Johnson ® 577, 578.

BNX: Covered BNC Male. Same as above. (molded antennas only). For Bearcat® Trunktracker™, and the Maxon® CP series.

MR: 12-28 Female. For GE,MPR,MPX, MPS.

SF: (Molded antennas only). Special SMA Connector Female. For Motorola® 800 MHz, MX360, STX, MTX800, HT1000, MT1000, MT2000, MTX8000, MTX9000, VISAR; Kenwood TK430, SEA700

SFJ: (Molded antennas only). For E.F. Johnson® 8790; Kenwood® TK480, TK481. (No skirt).

SFU: (Molded antennas only). King Radio® 800 MHz, Uniden® 800 MHz, newer VHF/UHF, SPU416K, SPU48K.

SM (Molded antennas only). SMA Connector Male. For GE® Marc V™ 800 MHz, STS®, Technophone®; Standard ® HX585.

TN: TNC Male. For all equipment requiring TNC, Speaker/mic. Icom® ICU18, Standard® HX-340.

TNX: Covered TNC Male (Molded antennas only).

Threaded Connector Guide

Threaded Connectors

MX: 1/4-32 x 7/32. For Motorola® MX, P100, P110, P200, GP300, MT1000, HT10, HT50, HT600, Radius®, Saber®; Spirit®; Expo®; Kenwood® TK230, TK250, TK340, TK350; Maxon® SP120, SP2550, SL70; Midland®; Wilson® MH200.

MD: (Molded antennas only) M7 x 1.0. For GE®, MPA, MPD, MTL, TPX.

KR: 5/16-32x 3/8. For King Radio®; Ritron® Jobcom™.

HT: 5/16-32 x 1/2 For Motorola® HT200, HT210, MH, MT, MT500, MX600; older Ritron®; older Uniden®. Insulated base very common thread.

MX MD KR HT

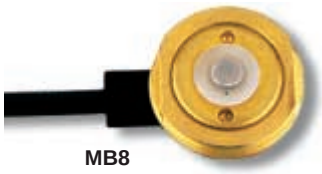
BN BNX MR SF SFJ

SFU SM TN TNX

Permanent Hole Mounts

Our brass mounts are the finest in the industry. Designed properly for the application, the mount utilizes a brass alloy with a Rockwell® 78 hardness. Another feature not found in competitive mounts is a fully silver soldered ground lug. It's the best way to eliminate the noise and static brought on by the rust and corrosion that is inevitable with ordinary crimped steel mounts. If you don't see your combination here, just call us. We will quickly quote your custom cable and connector requirement. As always, pricing is the same for brass (MB) series or standard steel (M) series hole mounts in the same cable and connector configuration.

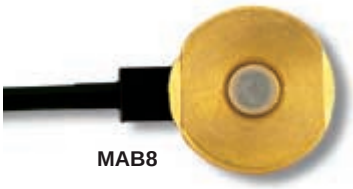
MB8


MB8

MW8

MW8

MAB8


MAB8

MXO

Model	Connector Type	MSRP
3/4" or 3/8" HOLE ALTERNATIVE MOUNTS		
MBO	For use with RG58 size Cable	7.29
MBOX	For RG8X size Cable	7.29
MBOF	For Teflon® Cable	7.29
MABO	Standard Mount	7.29
MABTO	Thick Plate Mount for 3/16" to 1/4" Thick Mount Surfaces	7.29
MXGP	3/8" snap-in Ground Plane Mount	21.00
MXO	Snap-in Mount	9.90
MWO	Drop-in Mount can be installed from outside the vehicle	7.29
5/8" HOLE ALTERNATIVE MOUNTS		
VTPM	1" Thick Plate Mount (UHF Barrel)	24.00
VTPM800	3/8" Thick Plate Mount (N Barrel)	29.00

VTPM800

VTPM

MXGP

A full line of permanent mounts and accessories, including custom cable lengths are available.
Please call or visit our web site at http://www.antenex.com for more information.
Look on page 39 for specifications on the different cables.

Ordering Guide - Clear, Easy & Sensible!

MB8PSI14 *= 3/4" Brass Mount, PL259 Solder Installed, 14' of RG58A/U*

MB	***Mount Style & Hole Style***	***M*** *= 3/4" Steel Hole Mounts*	
		MAB *= 3/8" Brass Hole Mounts*	
		MABT *= 3/8" Brass Mounts for Thick Plate*	
		MB *= 3/4" Brass Hole Mounts*	
		MW *= 3/8" Drop-in Hole Mount*	
		MX *= 3/8" Brass Snap-in Hole Mount*	
8	***Cable Style***	***8*** *= RG58A/U*	***8U*** *= RG58U*
		8X *= RG8X "low loss"*	***D =*** *Teflex™*
		F = *Teflon® Coax Cable*	***O*** *= Only (Mount Only-No Cable)*
PS	***Connector Style***	***Blank*** *= No connector*	***B*** *= BNC crimp*
		PS *= PL259 solder*	***N*** *= N crimp*
		NS *= N solder*	***PST*** *= PL259 solder Teflon®*
		P *= PL259 crimp*	***T*** *= TNC crimp*
		M *= Mini UHF crimp*	***SM*** *= SMA Crimp*
I	***Installation Option***	***Blank*** *= Loose connector*	
		I *= Installed connector*	
		(Add $1.00 for crimp, $1.50 for solder.)	
14	***Cable Option***	***Blank*** *= Standard 17 ft. cable length.*	
		14 *= Optional 14 ft. cable length.*	

Model	Connector Type	MSRP
3/4 HOLE BRASS MOUNTS		
Models with 17' of RG58A/U Stranded Center Conductor Cable		
MB8	No Connector	15.50
MB8B	BNC Crimp	18.00
MB8M	Mini UHF Crimp	18.00
MB8N	N Crimp	23.50
MB8NS	N Solder	25.00
MB8P	UHF (PL259) Crimp	18.00
MB8PS	UHF (PL259) Solder	18.31
MB8PST	UHF (PL259) Teflon® Solder	20.00
MB8T	TNC Crimp	18.00
Models with 17' of RG58U Solid Center Conductor Cable		
MB8U	No Connector	17.50
MB8UB	BNC Crimp	20.00
MB8UM	Mini UHF Crimp	20.00
MB8UN	N Crimp	25.50
MB8UNS	N Solder	27.00
MB8UP	UHF (PL259) Crimp	20.00
MB8UPST	UHF (PL259) Teflon® Solder	22.00
MB8UT	TNC Crimp	20.00
Models with 17' of RG8X Low Loss Solid Center Conductor Cable		
MB8X	No Connector	19.75
MB8XB	BNC Crimp	22.25
MB8XM	Mini UHF Crimp	22.25
MB8XN	N Crimp	27.75
MB8XNS	N Solder	29.75
MB8XP	UHF (PL259) Crimp	22.25
MB8XPST	UHF (PL259) Teflon® Solder	24.77
MB8XT	TNC Crimp	22.25
Models with 17' of Teflex™ Coax		
MBD	No Connector	22.92
MBDB	BNC Crimp	25.42
MBDM	Mini UHF Crimp	25.42
MBDN	N Crimp	30.92
MBDNS	N Solder	32.42
MBDP	UHF (PL259) Crimp	25.42
MBDPST	UHF (PL259) Teflon® Solder	27.42
MBDT	TNC Crimp	25.42
Models with 17' of Teflon® Cable		
MBF	No Connector	44.00
MBFB	BNC Crimp	46.50
MBFM	Mini UHF Crimp	46.50
MBFN	N Crimp	52.00
MBFNS	N Solder	53.50
MBFP	UHF (PL259) Crimp	46.50
MBFPST	UHF (PL259) Teflon® Solder	48.50
MBFT	TNC Crimp	46.50

Model	Connector Type	MSRP

3/8 HOLE BRASS MOUNTS

Models with 17' of RG58A/U Stranded Center Conductor Cable

MAB8	No Connector	15.50
MAB8B	BNC Crimp	18.00
MAB8M	Mini UHF Crimp	18.00
MAB8N	N Crimp	23.50
MAB8NS	N Solder	25.00
MAB8P	UHF (PL259) Crimp	18.00
MAB8PS	UHF (PL259) Solder	18.31
MAB8PST	UHF (PL259) Teflon® Solder	20.00
MAB8T	TNC Crimp	18.00

Models with 17' of RG58U Solid Center Conductor Cable

MAB8U	No Connector	17.50
MAB8UB	BNC Crimp	20.00
MAB8UM	Mini UHF Crimp	20.00
MAB8UN	N Crimp	25.50
MAB8UNS	N Solder	27.00
MAB8UP	UHF (PL259) Crimp	20.00
MAB8UPST	UHF (PL259) Teflon® Solder	22.00
MAB8UT	TNC Crimp	20.00

Models with 17' of RG8X Low Loss Solid Center Conductor Cable

MAB8X	No Connector	19.75
MAB8XB	BNC Crimp	22.25
MAB8XM	Mini UHF Crimp	22.25
MAB8XN	N Crimp	27.75
MAB8XNS	N Solder	29.75
MAB8XP	UHF (PL259) Crimp	22.25
MAB8XPST	UHF (PL259) Teflon® Solder	24.77
MAB8XT	TNC Crimp	22.25

Models with 17' of Teflex™ Coax

MABD	No Connector	22.92
MABDB	BNC Crimp	25.42
MABDM	Mini UHF Crimp	25.42
MABDN	N Crimp	30.92
MABDNS	N Solder	32.42
MABDP	UHF (PL259) Crimp	25.42
MABDPST	UHF (PL259) Teflon® Solder	27.42
MABDT	TNC Crimp	25.42

MOBILE-TO-BASE CONVERTERS

MBC	Mobile-to-base converter for VHF and UHF, SO239 Terminated	30.40
MBCN	Mobile to Base Converter for VHF and UHF, N Terminated	30.40
MBC800	Mobile-to-base converter for 800 and 900 MHz, N Terminated	30.40
MBC800LBT	Mobile-to-base converter for 800 and up, wall mount, N Terminated	30.40

MBC800
With Optional B8063

REMEMBER... ANTENEX® produces the finest all-brass mounts in the industry featuring iridited brass with a Rockwell® brass hardness of 78 and a fully silver soldered ground lug. It's the best way to eliminate the noise and static brought on by the rust and corrosion that is inevitable with ordinary mounts. The mount will **never** rust!

All ***ANTENEX®*** mounts are 100% continuity and resistance tested. Each mount is constructed with the standard ***ANTENEX®*** small high performance center contact.

Brass MB Series
Silver Soldered Lug

Thick Mount Cable Kits - MABT

ANTENEX® has the mount for you. This 3/4 or 3/8 brass mount installs in a plate up to 1/4 inch thick which makes any tough install easier. The MABT is available with many different cable and connector options.

Traditional Steel
M Series Lug

MABTO

Model	Connector Type	MSRP

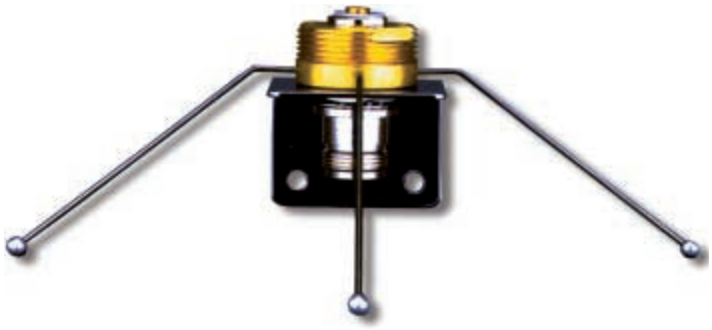
3/4-3/8 Thick Mount

Models with 17' of RG58A/U Stranded Center Conductor Cable

MABT8	No Connector	15.50
MABT8B	BNC Crimp	18.00
MABT8M	Mini UHF Crimp	18.00
MABT8N	N Crimp	23.50
MABT8NS	N Solder	25.00
MABT8P	UHF (PL259) Crimp	18.00
MABT8PS	UHF (PL259) Solder	18.31
MABT8PST	UHF (PL259) Teflon® Solder	20.00
MABT8T	TNC Crimp	18.00

Models with 17' of RG58U Solid Center Conductor Cable

MABT8U	No Connector	17.50
MABT8UB	BNC Crimp	20.00
MABT8UM	Mini UHF Crimp	20.00
MABT8UN	N Crimp	25.50
MABT8UNS	N Solder	27.00
MABT8UP	UHF (PL259) Crimp	20.00
MABT8UPST	UHF (PL259) Teflon® Solder	22.00
MABT8UT	TNC Crimp	20.00



MBC800LBT

The MBC800LBT is specifically designed for Data, SCADA and PCS applications. It is perfect for wall mounting the Phantom® Antenna.

Magnetic Mounts - *Strong and Reliable*

Ordering Guide - Clear, Easy & Sensible!

GBR8PI = *Black, Magnetic Mount, w/Rubber Boot, 12' of RG58A/U, PL259 Crimp Installed*

G	***Mount Style & Hole Size***	***G = Magnetic Mount Style***
B	***Finish***	***Blank*** *= Chrome* ***B*** *= Black*
R	***Rubber Boot***	***Blank*** *= No Rubber Boot* ***R*** *= Rubber Boot*
8	***Cable Style***	***8*** *= RG58A/U* ***8U*** *= RG58U* ***8X*** *= RG8X "low loss"* ***D*** *= Teflex™* ***F =*** *Antenex Teflon® Coax Cable*
P	***Connector Style***	***Blank*** *= No connector* ***B*** *= BNC crimp* ***PS*** *= PL259 solder* ***N*** *= N crimp* ***NS*** *= N solder* ***PST*** *= PL259 solder Teflon®* ***P*** *= PL259 crimp* ***T*** *= TNC crimp* ***M*** *= Mini UHF crimp* ***SM*** *= SMA crimp*
I	***Installation Option***	***Blank*** *= Loose connector* ***I*** *= Installed connector* *(Add $1.00 for crimp, $1.50 for solder.)*
BLANK	***Cable Length***	***Blank*** *= 12 ft. is standard on magnetic mounts.* **** = User defined length.*

Our magnetic mounts are the ideal way to temporarily install antennas on a vehicle. Corrosion resistant materials, a complete weather seal, and a strong magnet ensure that your mount will continue to perform for years. This product may be opened in the field for servicing or cable replacement. All magnetic mounts ship standard with a protective mylar sole. We provide, as an option or for replacement, a protective rubber boot (model GRO) which gives maximum protection to the mounting surface.

GRO Boot Option

Model	Description	MSRP
3/4" STYLE MAGNETIC MOUNTS		
Chrome Models with 12' of RG58A/U Stranded Center Cable		
G8	No Connector	31.06
G8B	BNC Crimp	33.13
G8M	Mini UHF crimp	33.13
G8N	N Crimp	39.46
G8NS	N Solder	41.03
G8P	UHF (PL259) Crimp	33.13
G8PI	UHF (PL259) Crimp, Installed	35.78
G8PS	UHF (PL259) Solder	34.01
G8PST	UHF (PL259) Teflon® Solder	35.78
G8T	TNC Crimp	33.68
Chrome Models with 12' of RG58U Solid Center Conductor Cable		
G8U	No Connector	37.80
G8UB	BNC Crimp	40.43
G8UM	Mini UHF Crimp	40.43
G8UN	N Crimp	46.20
G8UNS	N Solder	47.78
G8UP	UHF (PL259) Crimp	40.43
G8UPST	UHF (PL259) Teflon® Solder	42.53
G8UT	TNC Crimp	40.43
Chrome Models with 12' of Antenex RG8X Low Loss Cable		
G8X	No Connector	38.85
G8XB	BNC Crimp	42.79
G8XM	Mini UHF Crimp	42.79
G8XN	N Crimp	47.25
G8XNS	N Solder	49.35
G8XP	UHF (PL259) Solder	42.79
G8XPST	UHF (PL259) Teflon® Solder	43.58
G8XT	TNC Crimp	41.48
Chrome Models with 12' of Teflex™ Cable		
GD	No Connector	37.19
GDB	BNC Crimp	39.82
GDM	Mini UHF Crimp	39.82
GDN	N Crimp	45.59
GDNS	N Solder	47.17
GDPI	UHF (PL259) Crimp, Installed	41.92
GDPST	UHF (PL259) Teflon® Solder	41.92
GDT	TNC Crimp	39.82
GRO Rubber Boot add:		3.13
For Black on all models add:		4.30

Call for pricing on custom cable and connector options.

GB8 with optional BB1443

GD with optional B1443

GD

GB8

Technical Data - Product Features & Information

- *3/4" magnetic mounts are made with brass, ceramic, & steel materials.*
- *Cable connection is triple reinforced to eliminate cable pull out.*
- *Magnet is rated at 90 lbs. pull strength.*
- *Very adequate for high speed pursuit vehicles.*
- *100% continuity and resistance tested.*
- *Small high performance contact is standard.*
- *Large contact is available upon request.*
- *Protective rubber boot is available. Expect some reduction in magnetic force.*
- *Cable is field replaceable.*

Miniature Magnetic Mounts

Ordering Guide - *Clear, Easy & Sensible!*

GMBR8PI = *Black, Mini-Magnetic Mount, with Rubber Boot, 12' of RG58A/U, PL259 Crimp Installed*

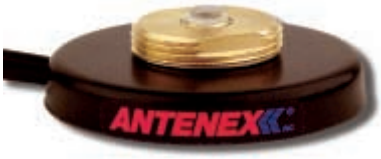
GM	**Mount Style**	**GM** = Mini-Magnetic Mount	
B	**Finish**	**Blank** = Chrome	**B** = Black
R	**Rubber Boot**	**Blank** = No Rubber Boot	
8	**Cable Style**	**8** = RG58A/U **D** = Teflex™	**8U** = RG58U
P	**Connector Style**	**Blank** = No connector **N** = N crimp **NS** = N solder **T** = TNC crimp **M** = Mini UHF crimp (*for RG58, RG58A/U, Teflex™, & Teflon® only)	**B** = BNC crimp **PS** = PL259 solder **P** = PL259 crimp **PST** = PL259 solder Teflon® **SM** = SMA crimp*
I	**Installation Option**	**Blank** = Loose connector **I** = Installed connector (Add $1.00 for crimp, $1.50 for solder)	
BLANK	**Cable Length**	**Blank** = 12' is standard on magnetic mounts. ***= User specified length	

Our mini-magnetic mounts are made of brass, ceramic and steel materials. Mini-mag mounts are rated at 55 lbs. of pull-strength. The cable connection is also triple reinforced to eliminate cable pull out giving you the reliability you expect from **ANTENEX**®.

GMRO Boot Option

GMB8 w/ Optional AB800

GM8 w/ Optional TRA8063



GMB8

GM8

Model	Description	MSRP
3/4" STYLE MINI-MAGNETIC MOUNTS		
Chrome Models with 12' of RG58A/U Stranded Center Cable		
GM8	No Connector	27.03
GM8B	BNC Crimp	29.58
GM8M	Mini UHF crimp	29.58
GM8N	N Crimp	35.19
GM8NS	N Solder	36.72
GM8P	UHF (PL259) Crimp	29.58
GM8PI	UHF (PL259) Crimp, Installed	31.62
GM8PS	UHF (PL259) Solder	29.90
GM8PST	UHF (PL259) Teflon® Solder	31.62
GM8T	TNC Crimp	29.58
Chrome Models with 12' of RG58U Solid Center Conductor Cable		
GM8U	No Connector	31.62
GM8UB	BNC Crimp	34.17
GM8UM	Mini UHF Crimp	34.17
GM8UN	N Crimp	39.78
GM8UNS	N Solder	41.31
GM8UP	UHF (PL259) Crimp	34.17
GM8UPST	UHF (PL259) Teflon® Solder	36.21
GM8UT	TNC Crimp	34.17
Chrome Models with 12' of Teflex™ Coax		
GMD	No Connector	32.11
GMDB	BNC Crimp	34.66
GMDM	Mini UHF Crimp	34.66
GMDN	N Crimp	40.27
GMDNS	N Solder	41.80
GMDPI	UHF (PL259) Crimp, Installed	36.70
GMDPST	UHF (PL259) Teflon® Solder	36.70
GMDT	TNC Crimp	34.66
GMRO Rubber Boot add:		3.13
For Black on all models add:		4.30

Technical Data - *Product Features & Information*

- *3/4" magnetic mounts are made with brass, ceramic, & steel materials.*
- *Cable connection is triple reinforced to eliminate cable pull out.*
- *GM mag is rated at 55 lbs.,*
- *Very adequate for high speed pursuit vehicles.*
- *100% continuity and resistance tested*
- *Small high performance contact is standard.*
- *Large contact is available upon request.*
- *Protective rubber boot is available. Expect some reduction in magnetic force.*
- *Cable is field replaceable.*

Mini-Trunk Lid Mounts - Quick and Easy Install!

The Mini-trunk lid mount really is incredible! A non-staining neoprene rubber cushion under the mount ensures that it will not stick to or stain a car finish. This cushion also isolates the mount against vibration, providing a firm and lasting fit to the trunk lid.

Made of type 302 stainless steel, the bracket features a design that enables it to be mounted to most new high tolerance trunk lid seams.

Our incredible mount features a very low profile design that enhances the appearance of the antenna when it is mounted on a luxury vehicle or limousine. The Mini-Trunk Lid Mount can also be easily removed for vehicle resale or fleet replacement.

Stainless steel hardware is also used on every trunk mount. You will not have any rust or corrosion to mar your vehicle's appearance. ***ANTENEX®*** mini-trunk mounts are made entirely of nonferrous materials.

THIS MOUNT WILL NEVER RUST! There are no holes to drill for the installation of Antenex Mini Trunk lid mounts.

Ordering Guide - *Clear, Easy & Sensible!*

TMB8PSI14 *= Mini-Trunk Lid Mount, Black Finish, PL259 Solder, Installed, 14' of RG58A/U.*

TM	***Mount Style***	***TM*** *= Mini-Trunk Lid Mount with cable*
B	***Finish***	***Blank*** *= Chrome Finish* ***B*** *= Black Finish*
8	***Cable Style***	***8*** *= RG58A/U* ***8U*** *= RG58U* ***8X*** *= Low Loss* ***D*** *= Teflex™* ***F*** *= Teflon® Coax Cable*
PS	***Connector***	***Blank*** *= No connector* ***B*** *= BNC crimp* ***PS*** *= PL259 solder* ***N*** *= N crimp* ***NS*** *= N solder* ***PST*** *= PL259 solder Teflon®* ***P*** *= PL259 crimp* ***T*** *= TNC crimp* ***M*** *= Mini UHF crimp* ***SM*** *= SMA crimp*
I	***Installation Option***	***Blank*** *= Loose connector* ***I*** *= Installed connector* *(Add $1.00 for crimp, $1.50 for solder.)*
14	***Cable Length***	***14*** *= Option 14 ft. cable length - 17 ft. is standard length.*

When ordering please indicate nonstandard lengths only.

TMB8 w/ optional QWB800

TM8 w/ optional TRA8063

TMB8

TM8

Technical Data - *Product Features & Information*

- *Brass body with a stainless steel bracket and stainless steel hardware.*
- *All non-ferrous materials. The mount will never rust!*
- *No plastic, chalk, crack or decay.*
- *New design assures fit on most modern high tolerance vehicles.*
- *Fast, easy installation.*
- *Requires no hole in the vehicle.*
- *Very low profile for low visibility.*
- *Available in brite chrome or black chrome finish.*
- *Fits all* ***ANTENEX®*** *3/4" mount type antennas.*

Model	Connector Type	MSRP
MINI-TRUNK LID MOUNTS		
Models with 17' RG58A/U Stranded Center Conductor Cable		
TM8	No Connector	**26.27**
TM8B	BNC Crimp	**29.63**
TM8M	Mini UHF Crimp	**29.63**
TM8N	N Crimp	**37.04**
TM8NS	N Solder	**39.06**
TM8P	UHF (PL259) Crimp	**29.63**
TM8PS	UHF (PL259) Solder	**30.05**
TM8PST	UHF (PL259) Teflon® Solder	**32.33**
TM8T	TNC Connector	**29.63**
Models with 17' of RG58U Solid Center Conductor Cable		
TM8U	No Connector	**28.29**
TM8UB	BNC Crimp	**31.65**
TM8UM	Mini UHF Crimp	**31.65**
TM8UN	N Crimp	**39.06**
TM8UNS	N Solder	**41.08**
TM8UP	UHF (PL259) Crimp	**31.65**
TM8UPST	UHF (PL259) Teflon® Solder	**34.35**
TM8UT	TNC Crimp	**31.65**
For Black on all models add:		**4.30**

Available in 14 ft. length; simply add "14" to the end of part number.
Call for pricing on custom cable and connector options.

Freedom™ Mount Kits & Brackets

ANTENEX® uses conductive black chrome on its stainless steel trunk groove mounting brackets. Other manufacturers use lower quality non-conductive black paint. You will find that a more reliable ground can be achieved with ANTENEX® mounting brackets. The SBT1000 bracket was specifically designed for 1" hole applications such as the Phantom® permanent mount.

Our aluminum mirror mount brackets are extruded and not stamped. This results in a stronger more durable bracket without the risk of bend fatigue and cracking that may occur with the stamped aluminum products. ANTENEX® aluminum mirror mounts are bright dipped or black anodized for corrosion protection.

Model	Description	MSRP
MIRROR MOUNT MODELS		
LBM9034	L Bracket for Mirror Mount at 90°, 3/4" Hole	13.29
LBM9038	L Bracket for Mirror Mount at 90°, 3/8" Hole	13.29
LBM4534	Rt Angle "L" for Mirror Mount at 45°, 3/4" Hole	13.29
LBM4538	Rt Angle "L" for Mirror Mount at 45°, 3/8" Hole	13.29
BLACK MIRROR MOUNT MODELS		
LBMB9034	Black "L" Bracket for Mirror Mount, 3/4" Hole	14.09
LBMB9038	Black "L" Bracket for Mirror Mount, 3/8" Hole	14.09
LBMB4534	Black Rt Angle "L" for Mirror at 45°, 3/4" Hole	14.09
LBMB4538	Black Rt Angle "L" for Mirror at 45°, 3/8" Hole	14.09
MIRROR MOUNT BRACKET WITH ¾ MOUNT		
LBMB8PS	17ft RG58 Cble with sol PL259 on conn	26.70
LBMB8	17ft RG58 Cable with no connector	24.20
BLACK MIRROR MOUNT BRACKET WITH ¾ MOUNT		
LBBMB8PS	17 ft. RG58 Cble with sol PL259 conn	27.50
LBBMB8	17ft RG58 Cable no connector	25.00

LBMB8

LBBMB8

LBM9034

LBM4534

Model	Description	MSRP
STAINLESS TRUNK GROOVE MODELS		
LBT3400	L Bracket for Trunk Groove, 3/4" Hole	4.50
LBT3800	L Bracket for Trunk Groove, 3/8" Hole	4.50
BLACK STAINLESS TRUNK GROOVE MODELS		
LBTB3400	Black "L" Bracket for Trunk Groove, 3/4" Hole	5.60
LBTB3800	Black "L" Bracket for Trunk Groove, 3/8" Hole	5.60
STAINLESS STRAIGHT TRUNK GROOVE MODELS		
SBT1000	Straight Bracket - 1" Hole	20.83
SBT3400	Straight Bracket - 3/4" Hole	4.50
SBTB3400	Black Straight Bracket - 3/4" Hole	5.60

LBTB3400

LBT3400

SBT1000

SBTB3400, SBT3400

Model	Description	Mast	MSRP
Fiberglass Base Antennas Mounting Options			
FM1	Stainless Steel U Bolt Mount (2)	1 7/8"	10.00
FM2	Heavy Duty Base Mounting Bracket (2)	2 1/2"	38.00
FM3	Heavy Duty Large Base Antenna Mount (2)	3"	118.02
FM3W	Heavy Duty Large Base Antenna Mount with Center Weld (2)	3"	128.75
FMS9	Freedom Standoff Mount 9" Standoff (2)	2 1/2"	87.28
FMW0	Freedom Wall Mount 0" Clearance	2 1/2"	19.88
FMW4	Freedom Wall Mount 4" Clearance	2 1/2"	21.60
YM78	Yagi Mount Kit for 7/8" Boom	1 5/8"	13.80
YM78HD	HD Yagi Mounting Kit for 7/8" Boom	2 1/2"	47.50
YM100HD	HD Yagi Mounting Kit for 1" Boom	2 1/2"	47.50
YM125HD	HD Yagi Mounting Kit 7/8" to 4 1/2"	2 1/2"	47.50

FMW4

FMW0

FM2

FM3 - Heavy Duty Mounting Bracket

Mounting Kits
YM78HD, YM100HD, YM125HD

FM3W- Welded Heavy Duty Mounting Bracket

FMS9

Coaxial Cable and Cable Assemblies

ANTENEX® stocks a complete selection of connectors and coaxial cables. We are able to select from a number of connector manufacturers to provide you with the highest quality at an affordable price. We use these connectors and cables in our own products and continuously monitor the quality of these components. Our 100% test policy for antennas, Precision Cable Assemblies™ and jumpers assures your satisfaction. Call ***ANTENEX®*** for all of your custom coaxial cable requirements for quick and accurate delivery.

Model	Description	MSRP
BULK CABLE		
R8100	100' Spool RG58A/U	32.00
R8500	500' Spool RG58A/U	153.13
R81000	1000' Spool RG58A/U	300.00
R8U100	100' Spool RG58U	32.00
R8U500	500' Spool RG58U	153.13
R8U1000	1000' Spool RG58U	300.00
R59100	100' Spool RG59U (75 Ohm)	32.00
R59500	500' Spool RG59U (75 Ohm)	150.00
R591000	1000' Spool RG59U (75 Ohm)	295.00
R8X100	100' Spool Antenex® RG8X	48.00
R8X500	500' Spool Antenex® RG8X	220.00
RD100	100' Spool Teflex™ Teflon® Dual Shield	115.00
RD500	500' Spool Teflex™ Teflon® Dual Shield	500.00
RF100	100' Spool Antenex® Teflon®	250.00
RF500	500' Spool Antenex® Teflon®	1,100.00
RF1000	1000' Spool Antenex® Teflon®	2,000.00
R9913100	100' Spool R9913	130.00
R9913500	500' Spool R9913	600.00
R400100	100' Spool High Performance LMR400	140.00
R400500	500' Spool High Performance LMR400	650.00

Special lengths available upon request. Call for details!

Times® LMR™ 400

Only a small sampling of our capabilities are shown here.

SEALTUBE1

Crimp Tool CCT

SEALTUBE2

IA3MTP22

SEALTUBE3

Crimp Tool CCT213

SEALTUBE4

Ordering Guide - Clear, Easy & Sensible!

PT8X25NN = *Precision Cable Assembly™, RG8X Cable, 25 ft.. Length, N Crimp on Both Ends*

PT	***Cable Product***	***PT*** = *Pigtail Cable Assembly*	
	Cable Style	***8*** = *RG58A/U* ***8U*** = *RG58U* ***8X*** = *RG8X "low loss"* ***D*** = *Teflex™*	***F*** = *Antenex Teflon® Coax Cable* ***400*** = *LMR400* ***9913*** = *R9913*
25	***Cable Length***	*Length in feet*	
N	***Connector Style on One End***	*If blank = no connector* ***B*** = *BNC crimp* ***M*** = *Mini UHF crimp* ***N*** = *N crimp* ***NS*** = *N Solder* ***P*** = *PL259 crimp* ***SM*** = *SMA Male*	***PF*** = *Female PL259 crimp* ***PS*** = *PL259 solder* ***PST*** = *PL259 solder Teflon®* ***PT*** = *PL259 crimp silver Teflon®* ***T*** = *TNC crimp*
N	***Connector Style on Other End***	***Same as Above***	

Teflon® Teflex™ 58/U 58A/U 8X 9913

ANTENEX® Precision Cable Assemblies™ will save you both time and money. Let us do the work. We are highly equipped to put together any combination you may require in a very fast turn around time.

Model	Description	MSRP
PRECISION CABLE ASSEMBLIES™		
PT40050NPS	Pigtail, LMR400 coax 50 ft. long with N male connector & PL259 male connector installed.	85.81
PT400100NPT	Pigtail, LMR400 coax 100 ft. long with N male & Teflon® PL259 crimp-on connectors installed.	157.50
PT8X25NN	Pigtail, 8X Low Loss 25 ft. long with N male crimp-on connectors installed on both ends.	33.00
PT8X50NP	Pigtail, 8X Low Loss 50 ft. long with N male & PL259 crimp-on connectors installed.	40.75
PTD5NN	Pigtail, Teflex™ cable 5 ft. long with N male crimp-on connectors installed on both ends.	33.80
PTD20PP	Pigtail, Teflex™ cable 20 ft. long with crimp-on PL259 connectors installed on both ends.	23.00
PT850NP	Pigtail, RG58 coax 50 ft. long with N male & PL259 crimp-on connectors installed.	31.50
PT825PPF	Pigtail, RG58 coax 25 ft. long with male PL259 & female PL259 connector installed.	23.00
CRIMP TOOLS, HEAT SHRINK TUBING AND CONNECTOR SEALANT		
SHRINKTUBE1	Heat Shrink Tube 1" x 1" dia.	2.00
SHRINKTUBE2	Heat Shrink Tube 2"x1" dia.	3.00
SEALTUBE3	Self Sealing Heat Shrink Tube 3"x1" dia.	4.00
SEALTUBE3	Self Sealing Heat Shrink Tube 4"x1" dia.	5.00
IA3MTP22	Tar Seal	6.75
CCT	Heavy Duty Crimp Tool	65.95
CCT213	Heavy Duty Crimp Tool	71.95

Connectors

ANTENEX® carries a complete line of connectors. Other connectors may be available, please call for items not listed. There is a 50 piece minimum on special order or non-stocked items.

CMUHF58, CBMUHF58, CBNC58, CTNC58, CPL9C, CN58

CMUHFF58, CBNCF58, CTNC58F, CPL9CF, CNF58

CN400 CN440S CNF400 CNF400S

Model	Type	Attach	Coax	Finish	MSRP
CONNECTORS					
CBNC58	BNC Male	Crimp-on	RG58	N	**2.50**
CMUHF58	Mini UHF Male	Crimp-on	RG58	N	**2.50**
CMUHFF58	Mini UHF FML	Crimp-on	RG58	N	**3.00**
CN58	Type N Male	Crimp-on	RG58	N	**8.00**
CN58S	Type N Male	Solder-on	RG58	N	**9.50**
CNF58	Type N Female	Crimp-on	RG58	N	**8.00**
CPL9C	PL259 Male	Crimp-on	RG58	N	**2.50**
CPL9CE	PL259 M (ext.nut)	Crimp-on	RG58	N	**4.75**
CPL9CT	PL259 Male	Crimp-on	RG58	S	**7.80**
CPL9CF	PL259 Female	Crimp-on	RG58	N	**7.50**
CPL9S	PL259 Male	Solder-on	RG58	N	**2.80**
CPL9TS	PL259 Male	Solder-on	RG58	S	**4.50**
CSN58	Type N Male	Crimp-on	RG58	S	**8.50**
CTNC58	TNC Male	Crimp-on	RG58	N	**2.50**
CSMA58	SMA Male	Crimp-on	RG58	N	**10.50**
CBNC8X	BNC Male	Crimp-on	RG8X	N	**4.25**
CMUHF8X	Mini UHF Male	Crimp-on	RG8X	N	**3.75**
CN8X	Type N Male	Crimp-on	RG8X	N	**8.00**
CPL9C8X	PL259 Male	Crimp-on	RG8X	N	**3.75**
CTNC8X	TNC Male	Crimp-on	RG8X	N	**3.75**
CN213	Type N Male	Crimp-on	213/8U	N	**11.45**
CN213S	Type N Male	Solder-on	213/8U	N	**13.55**
CBNC316	BNC Male	Crimp-on	RG316/U	N	**2.50**
CTNCF316	TNC Female	Crimp Jack	RG316/U	N	**2.85**
CBNC400	BNC Male	Crimp-on	LMR400	N	**5.10**
CN400	Type N Male	Crimp-on	LMR400	N	**8.00**
CN400S	Type N Male	Solder-on	LMR400	N	**10.00**
CNF400	Type N Female	Crimp-on	LMR400	N	**10.00**
CNF400S	Type N Female	Solder-on	LMR400	N	**11.00**
CPL9C400	PL259 Male	Crimp-on	LMR400	S	**6.25**
CTNC400	TNC Male	Crimp-on	LMR400	N	**5.10**
CSMA316	SMA Male	Crimp-on	RG316	N	**3.89**

***** N = Nickel Finish - S = Silver Finish

Model	Description	MSRP
ADAPTERS		
CNFNF	Type N Female to Type N Female Barrel	**8.69**
CNF3	3 Way Type N Female "T" (S)	**17.00**
CNUHFF	Type N Male to UHF Female	**6.80**
CPL9CFF	UHF Female to UHF Female Barrel	**7.50**
CPL9CF3	3 Way UHF Female "T"	**9.00**
CUG175	UG175U Adapter for PL259	**0.52**
CUG176	UG176U Adapter for PL259	**0.52**

Other connectors may be available.
Call or visit http://www.antenex.com for items not listed.
There is a 50 piece minimum on special order non-stock items.
Connectors for RG58 also fit ***ANTENEX®*** Teflex™ and Teflon® coax.
Connectors for LMR® 400 will fit 9913 coax.

COAXIAL CABLE SPECIFICATIONS

Type	*Center Conductor*	*Outer Jacket*	*Dielectric Material*	*Nominal O.D.*	*Impedance (ohms)*	*Nominal Capacitance (pf/ft)*	*Nominal Velocity of Propagation*	*Nominal Shield Cover*	*Attenuation (dB/100 ft) 150MHz*	*450MHz*	*900MHz*
RG58A/U	*Stranded*	*Black*	*Solid PVC*	*0.193" Polyethylene*	*50.0*	*30.8*	*66%*	*95%*	*6.20*	*12.50*	*20.00*
RG58/U	*Solid*	*Black*	*Solid PVC*	*0.193" Polyethylene*	*53.5*	*28.5*	*66%*	*95%*	*5.40*	*10.20*	*16.10*
RG59/U	*Solid*	*Black*	*Gas Injected PVC*	*0.242" Foam*	*75.0*	*16.5*	*82%*	*67% Braid*	*3.80*	*7.00*	*10.10*
Teflex™	*Solid*	*White*	*Solid Teflon® PVC*	*0.195" FEP*	*50.0*	*30.0*	*69%*	*95% Braid*	*5.80*	*10.00*	*14.50*
Teflon®	*Stranded*	*White*	*Solid Teflon®*	*0.160" Teflon®*	*50.0*	*28.5*	*69%*	*95%*	*4.80*	*9.00*	*13.50*
RG8X	*Solid*	*Black*	*Solid PVC*	*0.242" Polyethylene*	*50.0*	*33.0*	*66%*	*95%*	*3.60*	*6.80*	*10.70*
RG213/U	*Stranded*	*Black*	*Solid PVC*	*0.405" Polyethylene*	*50.0*	*32.2*	*66%*	*95%*	*2.30*	*4.50*	*7.60*
R9913	*Solid*	*Black*	*Semi Solid PVC*	*0.405" Polyethylene*	*50.0*	*24*	*84%*	*88% Braid*	*1.86*	*3.40*	*4.90*
LMR™400	*Solid*	*Black*	*Gas Injected Polyethylene*	*0.405" Polyethylene*	*50.0*	*23.9*	*85%*	*90% Braid*	*1.50*	*2.70*	*3.90*

Fax Order Form

ANTENEX INC.

Make photocopies of this form for future use.

Fax: 630-351-9009
Order Line: 800-323-3757
sales@ANTENEX®.com

Phone: 630-351-9007
Tech Line: 630-351-9007 #5
Web: www.ANTENEX®.com

Date:____/____/____

Bill To:

Account #_____ PO #_____
Contact _____
Company _____
Address _____
_____
City, State, Zip _____
Phone _____ Fax _____

Ship To: ❒ **Drop Ship**

Attention: _____
Company _____
Address _____
_____
City, State, Zip _____
Phone at Ship Point _____
Special Instructions _____

Payment Method: (Net 30 Open Account requires credit approval - See the Dealer Application on page 41)

❒ Visa ❒ MasterCard ❒ American Express ❒ Discover ❒ Novus

Card number _____
Name on card _____
Expires ____/____/____

❒ Net 30 Open Account*
** Requires dealer application approval*
Please Allow 2 weeks to process

Shipping Method:

❒ FedEx Express Saver (2-3 days)
❒ FedEx Economy (2 day)
❒ FedEx Standard (Next Day)
❒ FedEx Priority (By 10:30 AM)

❒ UPS Ground
❒ UPS Orange (3 Day)
❒ UPS Blue (2 Day)
❒ UPS Red (By 10:30 AM)

❒ U.S. Mail
❒ Air Parcel Post
❒ Customer Pick-Up
(Pick-Up Time Must be Confirmed)

Pricing Level ❒ **1st Column (>$1000)** ❒ **2nd Column (<$1000)** ❒ **3rd Column (<$300)**

Model	Qty.	Price	Extended
		Column 1 Total:	

Model	Qty.	Price	Extended
		Column 2 Total:	
		Column 1 Total:	
		Grand Total:	

X-Act™ Hole Saw • Mounts • Coaxial Cable

Noise Suppressors • Lightning Arrestor

Voyager™ • Discadoo™ • Phantom™ • Mountaineer™ • GPSx™ • Genesis™ • Gold Yagis

Dealer Application

Note: We do ask a lot of questions, however, this is in your interest! ***ANTENEX*** ® takes extra care qualifying dealers to avoid carelessly selling to our dealers' customers. All information will be held in the strictest confidence and we will process your account as quickly as possible. Please attach a copy of your state or local tax exemption certificate if your purchases are for resale and you do not want us to charge you sales tax.

Company Information

Company Name _____ Today's Date ____/____/____

Street Address _____ Date Established ____/____/____

City, State, Zip _____ At Present Location Since ____/____/____

Phone ( ) _____ Fax ( ) _____ Check One: ❒ Corporation

State Sales Tax Number _____ ❒ Partnership

Employer Identification Number _____ ❒ Sole Owner

E-mail Address _____ Do You Have A Website? ❒ No ❒ Yes http:// _____

Technician On Premises: ❒ Yes ❒ No

Estimated Monthly Antenna Purchases $ _____

Person(s) Authorized To Place Orders: _____

_____

Principals / Officers

1. _____ Title _____
2. _____ Title _____
3. _____ Title _____

Confidential Credit Information

Name Of Bank _____ Contact Name _____

Street Address _____ Checking Account No. _____

City, State, Zip _____ Phone ( ) _____

List Four Trade References In The Radio Industry That You Have Established Credit With

Company Name _____ Company Name _____

Street Address _____ Street Address _____

City, State, Zip _____ City, State, Zip _____

Phone ( ) _____ Phone ( ) _____

Acct. No. _____ Acct. No. _____

Company Name _____ Company Name _____

Street Address _____ Street Address _____

City, State, Zip _____ City, State, Zip _____

Phone ( ) _____ Phone ( ) _____

Acct. No. _____ Acct. No. _____

Current Antenna Suppliers (Must List At Least One)

1. _____ 2. _____ 3. _____

I am a dealer for the following radio lines: _____

Where did you hear about ***ANTENEX*** ®? _____

What attracted you to ***ANTENEX*** ®? _____

Have you purchased ***ANTENEX*** ® products? ❒ Yes ❒ No. Which ones? (If yes) _____

If so, from where did you purchase? _____

I authorize ***ANTENEX*** ® to contact our bank and trade references to obtain applicant's credit information. In consideration for ***ANTENEX*** ® extending credit to the above applicant, I hereby guarantee payment under the terms of this assignment. Interest of 1.5% monthly will be charged to overdue accounts and in the event of delinquency, debtor agrees to pay all collection fees and/or attorney fees.

Signature & Title _____ Print Name _____ Date ____/____/____

Product design worksheet

ANTENEX INC.

Company Information

Date ____/____/____

Company Name_____ Contact Name _____

Address _____

City, State, Zip, Country_____

Phone _____ Fax _____

E-Mail _____

Type of Business:: ❒ Manufacturer. ❒Distributor ❒ Dealer ❒ Carrier

Project Information

Project Name or Code Name _____

Project Description _____

_____

_____

_____

_____

Additional Special Requirements (if any)_____

_____

_____

_____

❒ New Product ❒ Existing Product ❒ Modify Existing Product Is Sample Available? ❒ Yes ❒ No

Predicted Monthly Quantities (1st 6 months) _____ (2nd 6 months)_____ (3rd 6 months) _____

Production Start Date _____ Ramp Up Schedule _____ Project Duration (Years) _____

Initial Number of Samples _____ Next Contact Date (Timeline) ____/____/____

Target Price _____ Packaging Requirements _____

Antenna Design Information

How will the product be used? ❒ Indoor ❒ Outdoor Specific _____

Is funding for tooling available? $ _____ Is funding for design development available? $ _____

Frequency _____ Antenna Electrical Length _____ 1/2 wave _____ 1/4 wave _____ Other _____

Pattern_____ VSWR _____ Return Loss _____ -dB

Gain _____ dBi _____ dBd_____ Equivalent or better than attached sample. _____

Additional Specs: Electrical _____ Mechanical_____ Power Rating _____ Watts

Other Information:

_____

_____

_____

_____

_____

_____

_____

_____

_____

Please fill out the above form or complete it with the help of one of our factory technical representatives. ***ANTENEX*** ® will apply its best minds and technologies to develop an antenna solution for you! We have worked “miracles” in improving performance, cost and survivability for military customers, OEM’s, system integrators and utilities. Put ***ANTENEX*** ® to work for you today!

TO ORDER FROM ANTENEX® WORLDWIDE:

PHONE: 630-351-9007
800-323-3757 (USA ONLY)
FAX: 630-351-9009

ON-LINE: *http://www.ANTENEX®.com*
E-MAIL: *sales@ANTENEX®.com*

MAIL: 2000-205 Bloomingdale Road
Glendale Heights, IL 60139 U.S.A.

PAYMENTS

ADDRESS: ANTENEX®, Inc.
Dept. F
P.O. Box 4755
Carol Stream, IL 60197-4755

TECH-SUPPORT WORLDWIDE:

PHONE: 630-351-9011
FAX: 630-351-9009

ON-LINE: *http://www.ANTENEX®.com*
E-MAIL: *support@ANTENEX®.com*

"Se habla español."
"Parliamo in italiano."
"Chúng tôi nói tiê´ng viêt râ´t thông thao."
We speak many languages at ANTENEX®.
Of course, we export!

100 Percent Tested

DEALER TERMS AND PRICING

- All major credit cards accepted (VISA, Master Card, Discover, Novus and American Express). An open account is available upon approval of credit application (see page 47) and minimum order requirements. All payments will be applied to the oldest open invoice. A $25 fee will be assessed for returned checks. Overdue accounts will only ship upon acceptance of credit card or cash in advance plus the outstanding balance. ANTENEX® reserves the right to sell only to its appointed dealers and distributors. ANTENEX® reserves the right to reject any order prior to shipment
- Better prices = better margins! Price columns indicate discount on total size of order. Prices are accurate at the time of printing and are subject to change without prior notice. Dealer accounts must buy a minimum of $5,000.00 per year to maintain dealer pricing.
- Free freight ground service from the factory to anywhere within the continental U.S. on orders over $500. A small handling charge may apply on smaller orders. Free freight policy does not apply to Mountaineer™ antennas, , LMR 600, Folded Dipoles, large Yagi's and various site management product. Other exceptions may apply.
- A 15% restock charge will be applied for returned merchandise.
- All prices are quoted and invoiced in U.S. Dollars.
- All shipping claims must be made within 48 hours from the time of receipt.
- Most orders ship next day!

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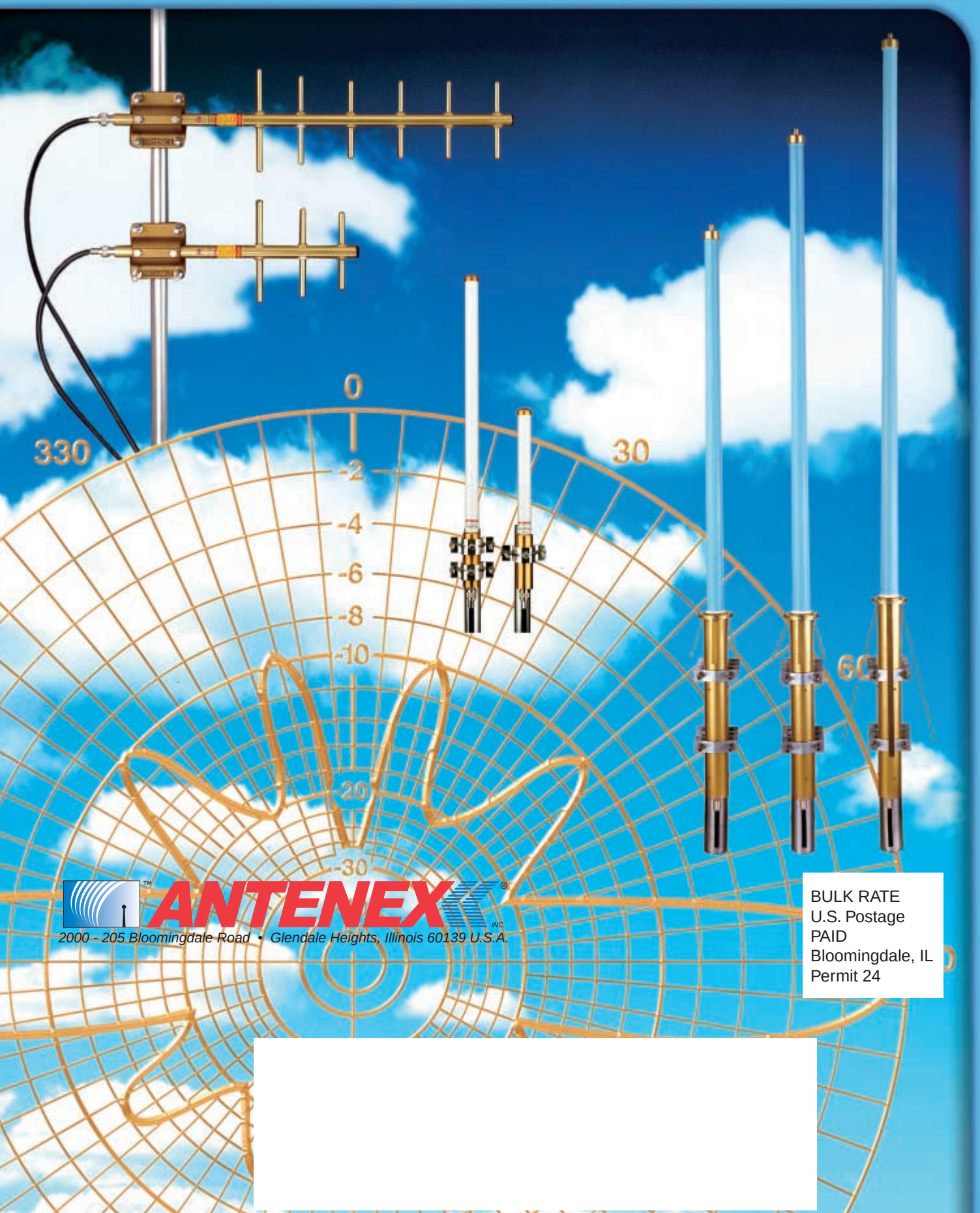

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