

Miniature Magnetic Mount - BMMG

MAXRAD™

An ISO-9001 Registered Company

824-896 MHz/1850-1990 MHz Dual Band, 896-960 MHz, 1.7-1.8 GHz DCS, 1.8-1.9 GHz PCS and 2.4 GHz ISM Miniature Magnetic Mount Antenna Series

The engineered design of the BMMG antennas combines a magnetic base, an antenna whip and high efficiency cable that allows direct installation on metallic surfaces without the need to use a separate antenna mount. All models include 12 feet of integrated low loss cable and a wide variety of connector options. Their black coated whip assembly and polymer base are inconspicuous, making these antennas less susceptible to theft or vandalism. The series offers models operating in dual band cellular/PCS, 900 MHz, DCS, PCS and 2.4 GHz frequencies. VHF, UHF and 800 MHz models are also available (see MAXCAT2002 for model options.)

General Specifications:

Miniature magnetic mount antenna series

Radiator Material:

.062" diameter, stainless steel, black chrome finish

Polarization:

Vertical

Bushing:

Black chrome plated brass

Nominal Impedance:

50 Ohms

Mount Method:

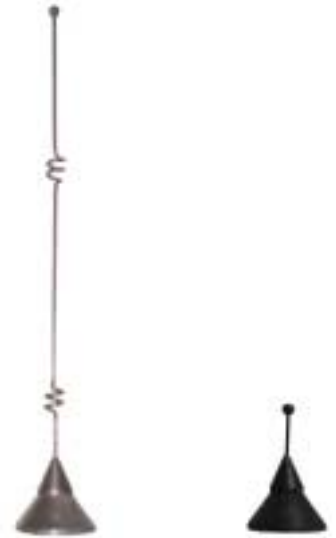
Magnetic base

Connector Options:

See electrical specifications for connector options

Features and Benefits:

- Low profile design comprises a magnetic base, antenna whip and high efficiency cable for direct installation on metallic surfaces without the need for a separate mount.
- Black coated whip assembly and machined polymer base. Inconspicuous appearance, less susceptible to theft or vandalism.
- High efficiency cable provides maximum power to the antenna to help optimize system performance. Low loss ML195 cable assembly available for all 2.4 GHz models (upon request for other frequencies.)



The BMMG antennas feature a magnetic base that provides added mount flexibility for a variety of fixed or mobile applications.



Specifications

Electrical Specifications

Model #	Frequency Range	Gain	VSWR	Max. Power	Cable	Connector Options
BMMG24005	2400-2484 MHz	5 dBi	<1.5:1	15 Watts	6' (1,828 mm) ML100A	C-NC = No connector; NCP = Male N (w/ML195); UN = Male N (w/ML100A); NF = N female (w/ML195); BN = BNC; C = Male TNC; PL = Male Mini-UHF; FSMA = Female SMA; MSMA = Male SMA; FSMART = Female SMA, reverse threaded; MSMART = Male SMA, reverse threaded; FMEJ = FME Jack; FPL = Female Mini-UHF; MMCXRA = MMCX right angle plug; RPNB = Rev Pol BNC; RPC = Rev Pol TNC; RPMSMA = Rev Pol Male SMA; FFME = Female FME
BMMG24005ML195*	2400-2484 MHz	5 dBi	<1.5:1	35 Watts	12' (3,657 mm) ML195	
BMMG24000	2400-2484 MHz	Unity	<1.5:1	15 Watts	6' (1,828 mm) ML100A	
BMMG24000ML195*	2400-2484 MHz	Unity	<1.5:1	35 Watts	12' (3,657 mm) ML195	
BMMG19000*	1850-1990 MHz	Unity	<1.5:1	15 Watts	12' (3,657 mm) RG174	
BMMG19000ML195*	1850-1990 MHz	Unity	<1.5:1	35 Watts	12' (3,657 mm) ML195	
BMMG18000*	1710-1880 MHz	Unity	<1.5:1	15 Watts	12' (3,657 mm) RG174	
BMMG18000ML195*	1710-1880 MHz	Unity	<1.5:1	35 Watts	12' (3,657 mm) ML195	
BMMG824/1900*	824-896/ 1850-1990 MHz	2 dBi/6 dBi	<1.5:1	15 Watts	6' (1,828 mm) RG174	
BMMG824/1900ML195*	824-896/ 1850-1990 MHz	2 dBi/6 dBi	<1.5:1	35 Watts	12' (3,657 mm) ML195	
BMMG9153*	896-960 MHz	3 dBd	<1.5:1	15 Watts	12' (3,657 mm) RG174	
BMMG9150*	896-960 MHz	Unity	<1.5:1	15 Watts	12' (3,657 mm) RG174	

* Please specify connector option when placing an order. Please add \$2.00 for N connector option.

Mechanical Specifications

Model #	Rod/Coil Type	Height	Weight	Operating Temperature
BMMG24005	Trilinear/open	9" (228.6 mm)	2.5 oz	-40°C to +70°C
BMMG24005ML195*	Trilinear/open	9" (228.6 mm)	9 oz	-40°C to +70°C
BMMG24000	Straight	1.25" (31.75 mm)	2.1 oz	-40°C to +70°C
BMMG24000ML195*	Straight	1.25" (31.75 mm)	8.6 oz	-40°C to +70°C
BMMG19000*	Straight	1.50" (38.10 mm)	2.2 oz	-40°C to +70°C
BMMG19000ML195*	Straight	1.50" (38.10 mm)	8.7 oz	-40°C to +70°C
BMMG18000*	Straight	1.58" (40.10 mm)	2.3 oz	-40°C to +70°C
BMMG18000ML195*	Straight	1.58" (40.10 mm)	8.8 oz	-40°C to +70°C
BMMG824/1900*	Collinear/open	10.5" (267.0 mm)	3.5 oz	-40°C to +70°C
BMMG824/1900ML195*	Collinear/open	10.5" (267.0 mm)	10 oz	-40°C to +70°C
BMMG9153*	Collinear/open	6.5" (165.1 mm)	2.5 oz	-40°C to +70°C
BMMG9150*	Straight	3.25" (82.5 mm)	2.4 oz	-40°C to +70°C