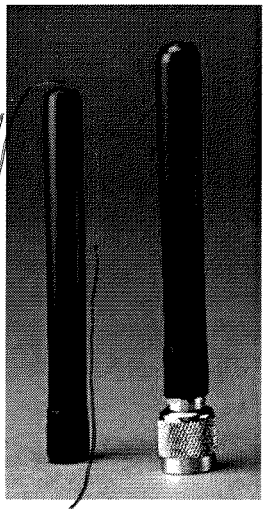
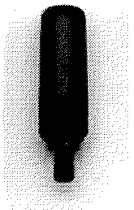
Product Specifications

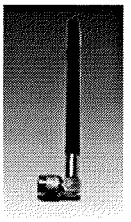
MOBILE MARK®
COMMUNICATIONS ANTENNAS



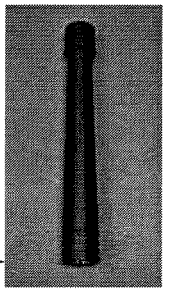
PSTN series shown in PVC radome



PSTG Stubby Series



PSWN Series



HSTN series shown in ABS radome

SMA Connector

Rubber Duck/Portable Antenna Series (Pat.Pend.)

For 2.4 GHz Applications

- Halfwave 2.5 dB gain styles with flexible radome
- Quarterwave stubby style with hard ABS radome
- Wireless LAN (2.4 GHz), Wireless Data Capture & Surveillance applications
- Sleek profile, with a variety of connector styles

The halfwave antennas require no ground plane for operation. This makes the antenna ideal for use with hand held products or products with no substantial metal groundplane. They can even be used with products containing all plastic chassis or case. The 2.5 dB gain antenna also compensates for typical system losses that occur at these frequencies. Connector styles available include male TNC or SMA. Right angle connector models are available for side mounting applications. The PSTN series uses a flexible PVC cover, and the HSTN series uses a stylized hard ABS radome. Special connectors are available, please consult factory.

The quarterwave antenna for 2.4 GHz provides enhanced performance with the minimum of size. It uses a hard ABS radome and is colored in black with a textured finish. The antenna is fitted with a 6-32 thread, but can be outfitted with other thread sizes (minimum quantities apply). The ferrule provides the maximum economy for the antenna as well as the interface needed on the wireless product. A one time factory matching is recommended for wireless devices with little ground plane.

Model Numbers - 1/2 Wave Straight Antennas

Model	Frequency	Radome	Connector
PSTN3-2400S	2.4-2.49 GHz	Flexible	Male SMA
PSTN3-2400T	2.4-2.49 GHz	Flexible	Male TNC
PSTN3-2400N	2.4-2.49 GHz	Flexible	Male N
HSTN3-2400T	2.4-2.49 GHz	Hard ABS	Male TNC
HSTN3-2400S	2.4-2.49 GHz	Hard ABS	Male SMA

Model Numbers - 1/4 Wave Stub Antennas

PSTG0-2400HH	2.4-2.49 GHz	Hard ABS	6/32 thread
PSTG0-2400HS	2.4-2.49 GHz	Hard ABS	SMA

Model Numbers - 1/2 Wave Right Angle Antennas

Model	Frequency	Style	Connector
PSWN3-2400S	2.4-2.49 GHz	Flexible	SMA
PSWN3-2400T	2.4-2.49 GHz	Flexible	TNC

Other frequency models available upon request. Please consult factory for details, minimum quantities will apply. Please reconfirm desired frequency when ordering.

Specifications

Frequency:	2.4 - 2.485 GHz
Gain:	2.5 dBi max for 1/2 wave, 0 dBi max for 1/4 wave
Bandwidth@2:1 VSWR:	85 MHz or better
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Whip Length:	
1/2 wave straight	4 inches
1/2 wave right angle	5.75 inches
1/4 wave stub	1.25 inches

Whip Material:	
PSTN3 Series	PVC jacket over dipole
HSTN3 Series	ABS radome over dipole
1/4 wave Stub	ABS radome over radiator
Connector:	See above

Special configurations available upon request, please consult factory for details.

US Office & Headquarters: 3900-B River Road, Schiller Park, IL 60176 Tel: 800-648-2800 or 847-671-6690 Fax: 847-671-6715
UK Office: 106 Anglesey Business Park, Hednesford, Staffs. WS12 5NR UK Tel: (+44) 1543-878343 Fax: (+44) 1543-871714
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