



1/2 wave models shown
with SMA & TNC



Helical stub models
with various connectors



Quarterwave models in
straight and right angle

Rubber Duck/Portable Antenna Series

For 800 & 900 MHz Applications

- Halfwave 2.5 dB gain styles with flexible radome
- Quarterwave styles in flexible whip, helical stubs with hard radome
- Models for Cellular, CDPD, ISM & GSM 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 groundplane. They can even be used with products that consist of all plastic chassis or case. The 2.5 dB gain antenna also compensates for system losses that typically occur at these frequencies.

Quarterwave antennas provide performance for products with the minimum of size. Full length quarterwave provide the maximum efficiency, while loaded helical stub antennas provide minimum size. The full length models use a flexible whip, whereas the stubby antenna uses a hard radome. Performance of quarterwave antennas does depend on the ground plane in the radio system. For large volume orders, performance can be maximized with a one time factory adjustment.

Connector styles available are TNC, SMA, MMCX or a thread ferrule assembly. The thread ferrule provides the most economical solution. Special connectors are also available, please consult factory.

Model Numbers - Straight Antennas

Model	Frequency	Style	Connector
PSTG0-900MM	824-894 MHz	Full 1/4	10-32
PSTG0-900MX	824-894 MHz	Helical	4 mm x .5
PSTG0-900HS	824-894 MHz	Helical	SMA
PSTG0-900SE	824-894 MHz	Full 1/4	SMA
PSTG0-900TE	824-894 MHz	Full 1/4	TNC
PSTG0-925HS	870-960 MHz	Helical	SMA
PSTG0-925MX	870-960 MHz	Helical	4mm x.5
PSTG0-925TE	870-960 MHz	Full 1/4	TNC
PSTG0-925SE	870-960 MHz	Full 1/4	SMA
PSTG0-925MM	870-960 MHz	Full 1/4	10-32
PSTN3-925T	870-960 MHz	1/2 wave	TNC

Model Numbers - Right Angle Antennas

Model	Frequency	Style	Connector
MDM-900OP	824-894 MHz	Full 1/4	MMCX
MDM-925OP	870-960 MHz	Full 1/4	MMCX
PSWN3-925T	870-960 MHz	1/2 wave	TNC
PSWN3-925S	870-960 MHz	1/2 wave	SMA

Special configurations available upon request. Please consult factory for details/availability.

Specifications

Frequency:	See above	Whip Length:	
Gain:	2.5 dBi for 1/2 wave, 0 dBi max for 1/4 wave	1/2 wave	8.5" - 9.0" inches
Bandwidth@2:1SWR:	See freq range above	1/4 wave	3.75" maximum
Impedance:	50 Ohm nominal	1/4 wave, helical	1.25" maximum
Maximum Power:	10 Watts	Whip Material:	
Connector:	See above, special connectors also available, please consult factory for details.	1/2 wave	Norprene jacket/ABS cap
		1/4 wave	Rubber jacket/flexible cable
		1/4 wave helical	ABS radome helical radiator