



Full 1/4 wave models in straight and right angle



Helical stub models with various connectors

Quarterwave antennas provide performance for products with the minimum of size. Full length quarterwave design provide the maximum efficiency, while loaded helical stub antennas provide minimum size.

The full length models use a flexible whip, whereas the helical antenna use a hard radome. Overall performance of quarterwave antennas does depend on the ground plane provided by the radio system or the mounting configuration. Quarterwave antennas are broadband compared to other designs and can effectively be used in most applications. For OEM applications, performance can often 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, but does require a special mechanical configuration for mounting and feeding the RF signal. Special connectors are also available, please consult factory.

Models with "-925 designators also overlap the ISM 902-928 band and are now in lieu of the "-915" models.

For 800 & 900 MHz Applications

- Models for Cellular, CDPD, ISM, GSM, Mobitex and Skytel applications
- Quarterwave styles in flexible whip, helical stubs with hard radome
- Sleek profile, with a variety of connector styles
- Customisation available for OEM applications

Model Numbers - Straight Antennas

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

Model Numbers - Right Angle Antennas

Model	Frequency	Style	Connector
MDM-900OP	824-894MHz	Full 1/4	MMCX
MDM-925OP	870-960MHz	Full 1/4	MMCX

Frequency Guide

-900 Models	For US Cellular (Analogue & Digital), CDPD
-925 Models	For EU Cellular, ISM, Mobitex and Skytel

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

Specifications

Frequency:	See above	Whip Length:	
Gain:	0dBi max for 1/4 wave	1/4 wave	95mm (3.75") maximum, varies slightly based on frequency.
Bandwidth @ 2:1 SWR:	See frequency range above	1/4 wave, helical	32mm (1.25") maximum
Impedance:	50 ohm nominal	Whip Material	
Maximum Power:	10 watts	1/4 wave	Rubber jacket/flexible cable
Connector:	See above, special connectors also available, please consult factory for details.	1/4 wave, helical	ABS radome, helical radiator