



PSTG Series Antennas
for single & dual band

1/4 wave Device Antennas

Dual Band for Cellular & PCS/DCS-1800

Single Band for Cellular, ISM or Mobitex

- Sleek profile with small SMA connectors
- Compact helical design with high performance
- Perfect for wireless handsets, data modems, and RFID scanners
- Tough polyurethane radome resists impact damage

These quarterwave stubby antennas offer high performance with the minimum of size. The helical design of the antennas results in a compact length that is only 1.75" (45 mm). The sleek profile pairs well with a wide variety of devices.

Different single and dual band combinations are offered, providing maximum of flexibility. Typical popular dual band combinations include US AMPS Cellular with PCS (GPRS), or International GSM with DCS-1800. Other cross continent combinations are available, please consult factory for details. Single band models are offered for US Cellular/CDPD, or 902-928 ISM/Mobitex (also usable for EU 900 Band GSM).

The antennas are available with an SMA Male connector. The connector is lightly knurled for easy tightening.

The antenna radomes are made from polyurethane, which provided a protective, waterproof covering. It is a solid material, which provides some flexibility. This makes these antennas suitable for devices such as access points, or hand-held portable units.

As helical antennas, the ground plane in the device influences the performance of these quarterwave

antennas. The specific radiation characteristics depends on the total configuration of the unit when interfaced with the antenna. How the wireless device is mounted or handled can also influence the radiation characteristics.

Model Numbers - Dual Band Antennas

Model	Frequency Band
PSTG0-900/1900HKS	824-894 MHz & 1850-1990 MHz
PSTG0-925/1800HKS	890-960 MHz & 1710-1880 MHz
PSTG0-925/1900HKS	890-960 MHz & 1850-1990 MHz
PSTG0-1950/2140HKS	1920-1980 MHz & 2110-2170 MHz

Model Numbers - Single Band Antennas

Model	Frequency Band
PSTG0-900HKS	824-894 MHz
PSTG0-925HKS	870-960 MHz

Frequency Guide

-900 Models	For US Cellular (Analog & Digital), CDPD
-925 Models	For EU Cellular, ISM, Mobitex & RAM
/1800	For DCS-1800
/1900	For US PCS (& GPRS)
-1950/2140	For 3G and UMTS applications

Specifications

Frequency:	See above	Connector:	SMA Male (plug)
Gain:	0 dBi max	Whip Length:	1.75 inches (45 mm)
Bandwidth@3:1SWR:	See freq range above	Radome Material:	Polyurethane, with black matt finish, and knurled connector
Impedance:	50 Ohm nominal		
Maximum Power:	5 Watts		
Operating Temp:	-22°F to 140°F -30°C to +60°C		