MobileMark
antenna solutions

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Device Antennas
Quarterwave, 824-2485 MHZ

ISM & Cellular
PSTG0 Series

PSTG0-2400
Series

PSTG-915
Series

PSTG0-925SE
Series

- Sleek profile with small SMA connectors
- Compact design with high performance
- Models for GSM/CDMAare backwards compatible to earlier generations
- Tough polyurethane radome resists impact damage

These quarterwave antennas offer high performance with the minimum of size. The sleek profile pairs well with a wide variety of devices.

Different single and dual band combinations are offered, providing maximum flexibility. Typical popular dual band combinations include US Cellular GSM/CDMA at 850 & 1900 MHz, and European GSM at 925 & 1800 MHz.

Other combinations are available, as specified in the model number table, included the PSTG0-1950/2140 designed to cover UMTS frequency bands.

Single band models are offered for US 850 band Cellular, or 902-928 ISM, or EU 925 Band GSM. A single band WiFi model is also available for 2.4 GHz.

The antennas are available with an SMA Male connector. In addition, the PSTG-915 is also available with a reverse polarity SMA.

The antenna radomes are made from black matt polyurethane, which provided a protective, waterproof covering. It is a solid material, with some flexibility.

Due to their small size and flexible material, these antennas are well suitable for wireless devices such as access points, or hand-held portable units. In addition, they are suitable for both consumer and commercial applications.

As quarterwave antennas, the ground plane in the device influences the performance of these antennas. The specific radiation characteristics depend on the total configuration of the unit when interfaced with the antenna.

A number of factors can influence the radiation characteristics of the antenna such as how the wireless device is handled or where the device is mounted. A ground plane is required for optimum performance.

Model Number	Freq. Band
Dual Band	
PSTG0-900/1900HKS	824-894 & 1850-1990 MHz
PSTG0-925/1800HKS	890-960 & 1710-1880 MHz
PSTG0-925/1900HKS	890-960 & 1850-1990 MHz
PSTG0-1950/2140HKS	1920-1980 & 2110-2170 MHz
Single Band	
PSTG0-900HKS	824-894 MHz
PSTG0-925HKS	870-960 MHz
PSTG-915S	902-928 MHz
PSTG-915RS	902-928 MHz
PSTG0-925SE*	870-960 MHz
PSTG0-2400HS	2400-2485 MHz
PSTG0-2400HRS	2400-2485 MHz

*Min. Order Quantity (MOQ) 250 Units

Specifications

Frequency:	See above	Connector:	SMA Male (Plug) except PSTG-915RS & PSTG0-2400HRS with Rev Polarity SMA plug
Gain:	0 dBi max		
VSWR:	2:1 max over range		
Impedance:	50 Ohm nominal		
Maximum Power:	5 Watts	Whip Length:	
Operating Temp:	-40°C to +85°C	PSTG0 Series	1.6 inches (41 mm)
		PSTG-915 Series	3.2 inches (81 mm)
Radome Material:	Polyurethane; black matt finish	PSTG0-925SE	2.875 inches (73 mm)
		PSTG0-2400HS	1.0 inches (25 mm)
		Water Ingress:	IPx5