



PSTG0-1650SF Series



PSTG0-1350SF

## Device Unity Gain UAV Antennas

- Sleek profile with small SMA connectors
- High performance quarterwave antennas
- Tough polyurethane radome resists impact damage

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

The PSTG0-1650SF is a unity gain antenna used for UAV applications. Measuring 1 5/8" (4.1 cm) in height, this small sized whip antenna is designed to be used with remote unmanned aerial vehicles. It operates on a frequency range of 1625-1725 MHz with unity gain and a 2:1 VSWR ratio. The nominal impedance for this antenna is 50 Ohm, with a maximum power of 5 watts.

The PSTG0-1350SF is a unity gain antenna used for UAV applications. Measuring 2 1/8" (5.39 cm) in height, this small sized whip antenna is designed to be used with remote unmanned aerial vehicles. It operates on a frequency range of 1350-1390 MHz with unity gain and a 2:1 VSWR ratio. The nominal impedance for this antenna is 50 Ohm, with a maximum power of 5 watts.

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 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 groundplane is required for optimum performance.

Model Number	Freq. Band
<b>UNITY GAIN UAV ANTENNAS</b>	
PSTG0-1650SF	1625-1725 MHz
PSTG0-1350SF	1350-1390 MHz
*Min. Order Quantity (MOQ) 250 Units	

Specifications			
Frequency:	See above	Radome Material:	Polyurethane;
Gain:	0 dBi max	Connector:	black matt finish
VSWR:	2:1 max over range	Whip Length:	SMA Male (Plug)
Impedance:	50 Ohm nominal	PSTG0-1650SF	1 5/8 inches (41 mm)
Maximum Power:	5 Watts	PSTG0-1350SF	2 1/8 inches (54 mm)
Operating Temp:	-40°C to +85°C	Water Ingress:	IPx5
Polorization:	Vertical		
Electrical Length:	1/4 wave		