



Device Unity Gain UAV Antennas

- Sleek profile with small SMA connectors
- Models for ISM or RFID Applications
- Tough polyurethane radome resists impact damage

These UAV quarterwave antennas offer high performance with the minimum of size. It can be used for either ISM or RFID applications. The sleek profile pairs well with a wide variety of devices.

The PSTG0-868SF is a unity gain antenna used for UAV applications. Measuring 3 1/2" (8.89 cm) in height, this small sized whip antenna is designed to be used with remote unmanned aerial vehicles.

The PSTG0-915SF/PSTG0-925SF are unity gain antennas used for UAV applications. Measuring 3 3/8" (8.57 cm) in height, this small sized whip antenna is designed to be used with remote unmanned aerial vehicles.

The PSTG0-915SE UAV Quarterwave Antenna offers high performance with a slim profile. It operates at 902-915 MHz and can be used for either ISM or RFID applications. The overall antenna length is 2 7/8-inches (7.3 cm); it features a flexible whip and terminates with an SMA connector. A groundplane is required for optimum performance.

The antenna radomes are made from black matt polyurethane, which provides 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 ground plane is required for optimum performance.

Model Number	Freq. Band
UNITY GAIN UAV ANTENNAS	
PSTG0-868SF	865-870 MHz
PSTG0-915SF	902-928 MHz
PSTG0-925SF	870-690 MHz
PSTG0-915SE	902-915 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	PSTG0-925SF	3 3/8 inches (85.7 mm)
Maximum Power:	5 Watts	PSTG0-868SF	3 1/2 inches (89 mm)
Electrical Length:	1/4 wave	PSTG0-915SF	3 3/8 inches (85.7 mm)
Operating Temp:	-40°C to +85°C	PSTG0-915SE	2 7/8 inches (73 mm)
Polarization:	Vertical	Water Ingress:	IPx5