



PSGN-2000S

Device Halfwave, Flexible Portable Antenna, 1500-2700 MHz

- Device antenna for Broadband & M2M
- 3 dBi gain peak with flexible poly heatshrink covered goosneck design
- Halfwave design requires no ground plane

The PSGN-2000S is a half-wave flexible rubber duck style device antenna that requires no ground plane for operation. This makes it ideal for use with portable or small remote devices with little or no ground plane. They can even be used with products that consist of an all plastic chassis or case.

The PSGN-2000S is a Device Antenna with a unique design. It is covered in a Flexible Poly Heatshrink Covered Goosneck that allows the antenna to bend into nearly any position. This antenna uses a full length center fed dipole configuration. Radiated energy is most pronounced along the horizon, with maximum peak of 3 dBi, free space.

When mounted with the whip close to metal, the energy pattern can become shaped, and result in higher peak gain.

VSWR ranges from <2:1 to <2.5:1 depending on the frequency for the intended application. For the 1500-2400 MHz band, the VSWR ratio is <2:1. The frequency range of 2400-2700 MHz allows for a <2.5:1 VSWR ratio.

The antennas are encased in UV stable black polyamide. The antenna radomes are waterproof, however additional sealing of connectors would be required if mounting permanently in an outdoor environment.

The PSGN-2000S mounts to network devices in a very straightforward fashion with a standard SMA connector. The simple but elegant design and is ideal for portable Cellular M2M applications. The antenna was originally created as a portable antenna that could be carried on a person. This makes it an incredibly versatile design for portable and device cellular M2M solutions.

Other device antennas models are available for several different frequency bands including a number of specialized Military bands as well as WiFi on 2.4 & 5 GHz for COTS (commercial off the shelf) networks.

Minimum orders apply to these specialized models, please consult factory for latest details and availability.

Model #	Frequency	Gain
PSGN-2000S	1500-2700 MHz	3 dBi peak
*Measured without groundplane		

Specifications

Frequency:	See above
Gain:	3 dBi peak
VSWR:	
1500-2700 MHz	<2:1
2400-2700 Mhz	<2.5:1
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
IP Rating:	IP67
Connector:	SMA plug

Case Material:	Black Polyamide, UV Stable
Temperature Range:	-40° to +85° C
Mounting:	Direct SMA Plug
Weight:	1.25 oz (35g)
Antenna Dimensions:	7.125" Length x 0.44" Diameter (18.1 cm x 1.1 cm)