



Device Halfwave, 2.4/5.5 GHz, 2.2 GHz, 3.2 GHz & 4.5 GHz

- Models for popular Government & Military bands, as well as a dual band WiFi
- Up to 2.3 dBi gain styles with semi-flexible radome
- Halfwave design requires no ground plane

These half-wave rubber duck style device antennas require no ground plane for operation. This makes them 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 PSTN Series antennas use a full length center fed dipole configuration. Radiated energy is most pronounced along the horizon, with maximum peak of 2.3 dBi, free space.

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. Frequency bands are specified in the Mobile number table.

The WiFi antennas are compatible with all 802.11 protocols including:

802.11b/g which cover 2.4 GHz, 802.11a/ac which cover 5 GHz and 802.11n which covers both 2.4 & 5 GHz. Newer generations of WiFi, such as protocols "n" and "ac" are backwards compatible to earlier generations.

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

VSWR is typically 2:1 or better over the desired frequency range. These antenna generally operate at specialized frequencies, some bands typically restricted to government or military applications.

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

Connectors vary dependent on the model. Different configurations may be available in this regard, please consult the factory for possible options.

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

Model #	Frequency	Connector
PSTN2-2200	2.1 - 2.3 GHz	BNC Plug (Male)
PSTN2-3200	3.1 - 3.3 GHz	SMA Plug (Male)
PSTN2-4500	4.4 - 4.7 GHz	SMA Plug (Male)
PSTN2-2400/5600	2.4 - 2.485 GHz & 5 - 6 GHz	N Plug (Male)

Other connector configurations may be available, please consult your sales representative for your requirements.

Specifications			
Frequency:	See above	Antenna Dimensions:	
Gain:	2.3 dBi max	PSTN2-2200	4 3/4" Length x 1/2" Diameter (121 mm x 13 mm)
VSWR:	2:1 over band	PSTN2-3200	3 1/2" Length x 7/16" Diameter (89 mm x 11 mm)
Impedance:	50 Ohm nominal	PSTN2-4500	3 1/2" Length x 7/16" Diameter (89 mm x 11 mm)
Maximum Power:	10 Watts	PSTN2-2400/5600	4 7/8" Length x 3/4" Diameter (124 mm x 19 mm)
Connector:	See models above		
Case Material:	Black Polyvinyl chloride, UV resistant		
Temperature Range:	-40° to +85° C		