



PSTN series shown in PVC radome



PSTG Stubby Series



PSWN Series



HSTN series shown in ABS radome

## Rubber Duck/Portable Antenna Series (Pat.Pend.)

For 2.4 GHz Applications

- Halfwave 2.5 dB gain styles with flexible radome
- Quarterwave stubby style with hard ABS radome
- Wireless LAN (2.4 GHz), Wireless Data Capture & Surveillance applications
- Sleek profile, with a variety of connector styles

The halfwave antennas require no ground plane for operation. This makes the antenna ideal for use with hand held products or products with no substantial metal groundplane. They can even be used with products containing all plastic chassis or case. The 2.5 dB gain antenna also compensates for typical system losses that occur at these frequencies. Connector styles available include male TNC or SMA. Right angle connector models are available for side mounting applications. The PSTN series uses a flexible PVC cover, and the HSTN series uses a stylized hard ABS radome. Special connectors are available, please consult factory.

The quarterwave antenna for 2.4 GHz provides enhanced performance with the minimum of size. It uses a hard ABS radome and is colored in black with a textured finish. The antenna is fitted with a 6-32 thread, but can be outfitted with other thread sizes (minimum quantities apply). The ferrule provides the maximum economy for the antenna as well as the interface needed on the wireless product. A one time factory matching is recommended for wireless devices with little ground plane.

### Model Numbers - 1/2 Wave Straight Antennas

Model	Frequency	Radome	Connector
PSTN3-2400S	2.4-2.49 GHz	Flexible	Male SMA
PSTN3-2400T	2.4-2.49 GHz	Flexible	Male TNC
PSTN3-2400N	2.4-2.49 GHz	Flexible	Male N
HSTN3-2400T	2.4-2.49 GHz	Hard ABS	Male TNC
HSTN3-2400S	2.4-2.49 GHz	Hard ABS	Male SMA

### Model Numbers - 1/4 Wave Stub Antennas

PSTG0-2400HH	2.4-2.49 GHz	Hard ABS	6/32 thread
PSTG0-2400HS	2.4-2.49 GHz	Hard ABS	SMA

### Model Numbers - 1/2 Wave Right Angle Antennas

Model	Frequency	Style	Connector
PSWN3-2400S	2.4-2.49 GHz	Flexible	SMA
PSWN3-2400T	2.4-2.49 GHz	Flexible	TNC

Other frequency models available upon request. Please consult factory for details, minimum quantities will apply. Please reconfirm desired frequency when ordering.

### Specifications

<b>Frequency:</b>	2.4 - 2.485 GHz
<b>Gain:</b>	2.5 dBi max for 1/2 wave, 0 dBi max for 1/4 wave
<b>Bandwidth@2:1 VSWR:</b>	85 MHz or better
<b>Impedance:</b>	50 Ohm nominal
<b>Maximum Power:</b>	10 Watts
<b>Whip Length:</b>	
1/2 wave straight	4 inches
1/2 wave right angle	5.75 inches
1/4 wave stub	1.25 inches

### Whip Material:

PSTN3 Series	PVC jacket over dipole
HSTN3 Series	ABS radome over dipole
1/4 wave Stub	ABS radome over radiator
<b>Connector:</b>	See above

Special configurations available upon request, please consult factory for details.