



PSTN series shown in PVC radome



PSTG Stubby Series



PSWN Series



HSTN series shown in ABS radome

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.

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

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

| | |
|----------------------------|---|
| Frequency: | 2.4 - 2.485 GHz |
| Gain: | 2.5 dBi max for 1/2 wave, 0 dBi max for 1/4 wave |
| Bandwidth@2:1 VSWR: | 85 MHz or better |
| Impedance: | 50 Ohm nominal |
| Maximum Power: | 10 Watts |
| Whip Length: | |
| 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 |

Connector:

See above

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