

Rubber Duck/Portable Antenna Series (Pat.Pend.) For 2.4 GHz Applications



Halfwave models shown



Stubby model



Right angle model

- 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 plane. 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. 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 - Straight Antennas

Model	Frequency	Style	Connector
PSTN3-2400S	2.4-2.48 GHz	1/2 wave	SMA
PSTN3-2400T	2.4-2.48 GHz	1/2 wave	TNC
PSTG0-2400HH	2.4-2.48 GHz	Stubby	6/32 thread
PSTG0-2400HS	2.4-2.48 GHz	Stubby	SMA

Model Numbers - Right Angle Antennas

Model	Frequency	Style	Connector
PSWN3-2400S	2.4-2.48 GHz	1/2 wave	SMA
PSWN3-2400T	2.4-2.48 GHz	1/2 wave	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 SWR:	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:

1/2 wave	PVC jacket over dipole element
1/4 wave stub	ABS radome over radiator

Connector:

1/2 wave	Male TNC or SMA
1/4 wave stub	6-32 thread stud or Male SMA

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