

Device Halfwave Antennas WiFi & WiMAX



- Up to 2.3 dBi gain styles with semi-flexible radome and adjustable knuckle
- Halfwave design requires no ground plane
- Single and Dual Band Models for WiFi 802.11 and WiMAX 3.5 GHz
- Sleek molded profile, choice of SMA, TNC or Rev Polarity SMA connectors

These 1/2 wave antennas require no ground plane for operation. This makes them ideal for use with portable devices or products with no substantial ground plane. They can even be used with products that consist of all plastic chassis or case.

The PSKN Series antennas use a full length dipole configuration. A knuckle feature allows the antenna to be adjusted between a straight position, to a 90° position. This is useful for products that may need to be both horizontal and vertical, or where the connector is placed on the side of a radio device.

The PSN3 series are only available in a straight vertical position. This is the optimum choice when the antenna position needs to be in a constant vertical position.

The radome is made of flexible Polyurethane. Standard connector styles available include TNC or SMA. For FCC part 15 compliance, select models offer reverse polarity SMA or reverse Polarity TNC connectors.

Model #	Style	Frequency
<u>TNC Male Connectors</u>		
PSKN3-2400T	Adjustable	2400-2485 MHz
PSKN3-3500T	Adjustable	3400-3700 MHz
PSN3-2400T	Straight	2400-2485 MHz
<u>SMA Male Connectors</u>		
PSKN3-2400S	Adjustable	2400-2485 MHz
PSKN3-3500S	Adjustable	3400-3700 MHz
PSKN3-24/55S	Adjustable	2400 - 2485 MHz & 5.0-6.0 GHz
PSN3-2400S	Straight	2400-2485 MHz
<u>Rev SMA Plug Connectors</u>		
PSKN3-2400RS	Adjustable	2400-2485 MHz
PSKN3-24/55RS	Adjustable	2400-2485 MHz & 5.0-6.0 GHz
PSN3-2400RS	Straight	2400-2485 MHz
<u>Rev TNC Plug Connectors</u>		
PSKN3-2400RT	Adjustable	2400-2485 MHz
PSN3-2400RT	Straight	2400-2485 MHz

Specifications

Frequency:	See above
Gain:	2.3 dBi max
VSWR:	2:1 over band
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Connector:	See models above
Whip Length Straight:	
PSKN3-2400	6 1/2 in (165 mm)
PSKN3-3500	3 7/8 in (99 mm)
PSKN3-24/55	3 7/8 in (99 mm)
PSN3-2400	6 1/2 in (165 mm) Straight only
Temperature Range:	-40°C to +85°C
Case Material:	Polyurethane

Whip Length 90°:	
PSKN3-2400:	5 3/4 in (146 mm)
PSKN3-3500:	3 1/8 in (79 mm)
PSKN3-24/55:	3 1/8 in (79 mm)
PSN3-2400	Not available in 90°
Right Angle Standoff:	
PSKN3-2400	1 1/4" inside (32 mm) clearance
PSKN3-3500	13/16" inside (21 mm) clearance
PSKN3-24/55	13/16" inside (21 mm) clearance
PSN3-2400	Not available in 90°
Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G TIA-329.2-C
Water Ingress:	IPx5