



PSKN3-24/55 Series
Dual Band 2.4/5 GHz



PSKN3-2400
Single Band



All Models
in straight
position



PSKN3 for
3.5 GHz

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 groundplane. 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° right angle position. This is useful for products that may need to be placed both horizontal and vertical, or where the connector is placed on the side of a radio device.

Maximum radiation is achieved along the horizon, and bandwidth provided is substantial. VSWR is typically 2:1 or better over the desired frequency range. The antennas are available in many popular frequency bands, including a dual band series for 802/11a/b/g/n.

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.

Device Halfwave Antennas WiFi & WiMAX

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

Model Numbers - TNC Male Connectors

Model	Typical Use	Frequency
PSKN3-2400T	802.11 WiFi b/g	2400-2485 MHz
PSKN3-3500T	3.5 GHz Broadband	3400-3700 MHz

Model Numbers - SMA Male Connectors

PSKN3-2400S	802.11 WiFi b/g	2400-2485 MHz
PSKN3-3500S	3.5 GHz broadband	3500-3700 MHz
PSKN3-24/55S	802.11 a/b/g/n	2400-2485 MHz & 5 - 6 GHz

Model Numbers - Rev SMA Plug Connectors

PSKN3-2400RS	802.11 b/g WiFi	2400-2485 MHz
PSKN3-24/55RS	802.11 a/b/g/n	2400-2485 MHz & 5-6 GHz

Model Numbers - Rev TNC Plug Connectors

PSKN3-2400RT	802.11b/g WiFi	2400-2485 MHz
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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)
Temperature Range:	-40°C to +85°C

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)

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

Case Material:

Shock & Vibration:	EN 61373, IEEE 1478, MIL-810G
Water Ingress:	IPx5