

# 1/2 wave Device Antennas

## 90° Adjustable Knuckle Antennas

- Up to 2.3 dBi gain styles with semi-flexible radome and adjustable knuckle
- Halfwave design requires no groundplane
- Models for popular bands including Cellular, Mobitex, ISM, GSM, 802.11
- Sleek molded profile, with a choice of SMA or TNC connectors



PSKN Adjustable Series



SMA (L) & TNC (R)  
versions

These 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 center fed 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.

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 connectors.

### Model Numbers - TNC Male Connectors

Model	Typical Use	Frequency
PSKN3-900T	US Cellular/CDPD	806-894 MHz
PSKN3-925T	EU GSM/Mobitex	870-960 MHz
PSKN3-1800T	EU DCS-1800	1710-1880 MHz
PSKN3-1900T	US PCS/GPRS	1850-1990 MHz
PSKN3-2400T	802.11 WiFi	2400-2485 MHz

### Model Numbers - SMA Male Connectors

PSKN3-900S	US Cellular/CDPD	806-894 MHz
PSKN3-925S	EU GSM/Mobitex	870-960 MHz
PSKN3-1800S	EU DCS-1800	1710-1880 MHz
PSKN3-1900S	US PCS/GPRS	1850-1990 MHz
PSKN3-2400S	802.11 WiFi	2400-2485 MHz

### Model Numbers - Rev SMA Plug Connectors

PSKN3-925RS	ISM 915 band	870-960 MHz
PSKN3-2400RS	802.11 WiFi	2400-2485 MHz

### Model Numbers - Rev TNC Plug Connectors

PSKN3-925RT	ISM 915 band	870-960 MHz
PSKN3-2400RT	802.11 WiFi	2400-2485 MHz

Models with "-925" also operate on ISM 902-928.

### Specifications

<b>Frequency:</b>	See above
<b>Gain:</b>	2.3 dBi max
<b>VSWR:</b>	2:1 over band
<b>Impedance:</b>	50 Ohm nominal
<b>Maximum Power:</b>	10 Watts
<b>Connector:</b>	See models above
<b>Whip Length Straight:</b>	
900 & 925 Series	9" (229 mm) when straight
1800 & 1900 Series:	7.8" (198 mm) when straight
2400 Series:	7" (178 mm) when straight

<b>Whip Length 90°:</b>	
900 & 925 Series	7.9" (201mm) when right angle
1800 & 1900 Series:	6.5" (165 mm) when right angle
2400 Series:	5.8" (147 mm) when right angle
<b>Right Angle Standoff:</b>	1.25" (32 mm) inside elbow 1.75" (45 mm) outside elbow
<b>Case Material:</b>	Polyurethane

Please consult factory for special configurations & frequency bands.