



PSKN Adjustable Series



SMA (L) & TNC (R) versions

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

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 | 824-894 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 | 824-894 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 | US PCS/GPRS | 870-960 MHz |
| PSKN3-2400RS | 802.11 WiFi | 2400-2485 MHz |

Model Numbers - Rev TNC Plug Connectors

| | | |
|--------------|-------------|---------------|
| PSKN3-925RT | US PCS/GPRS | 870-960 MHz |
| PSKN3-2400RT | 802.11 WiFi | 2400-2485 MHz |

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

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: | |
| 900 & 925 Series | 9" in straight position |
| 1800 & 1900 Series: | 7.75" in straight position |
| 2400 Series: | 7" in straight position |

Whip Length 90°:

| | |
|---------------------|-------------------------------|
| 900 & 925 Series | 7.9" in right angle position |
| 1800 & 1900 Series: | 6.5" in right angle position |
| 2400 Series: | 5.75" in right angle position |

Right Angle Standoff: 1.25" inside clearance, 1.75" outside clearance

Case Material: Polyurethane

Please consult factory for special configurations & frequency bands.