



PSKN Series in Straight Position

PSN in fixed straight position

PSNRA in fixed right angle position

Device Antennas, Halfwave, LTE 3G/4G Dual-band, 694-2750 MHz

- Sleek profile with adjustable elbow for straight or angled operation
- Compact design, ground plane independent with high performance
- Can be configured as fixed straight or fixed right angle (prefix PSN or PSNRA)

The PSKN Dual band antennas offer excellent performance and are available for a number of dualband and broadband wireless data applications.

Three different series are available; a model for US Cellular 3G, a model for EU GSM, and a wideband model for US Cellular including GSM/CDMA, LTE & AWS/UMTS.

The EU GSM 925 MHz lower band also covers with the ISM 915 band (902-928 MHz), without any sacrifice in performance. Additionally, a model is available with reverse polarity SMA connector, for use in ISM 915.

The broadband options, PSKN3-700/2100S and PSKN3-700/2700S, cover traditional cellular frequencies as well as the new LTE 700 MHz band and the UMTS bands.

This PSKN series is a “blade” style antenna with an adjustable right angle elbow. Overall length is 7.75” (20 cm) in a straight position, and 6.75” (17.2 cm) in a right angle position. Peak gain on all bands is 3 dBi.

The halfwave design means the antennas are ground-plane independent; the antennas can be used on plastic or metal without concern for proper ground size.

The radome material is a semi-flex polyurethane, providing some give when stressed but maintaining long term durability.

The antennas pass a number of industrial and military shock & vibration standards, and have been rated IPx5 for water ingress. The PSN models are rated IP67.

The antennas are available with SMA, TNC or Reverse Polarity SMA (for 902-928 ISM applications).

| Model # | Frequency (MHz) | Connector |
|--|---------------------|--------------|
| US CDMA/GSM/Data | | |
| PSKN3-900/1900T | 824-894 & 1850-1990 | TNC Plug |
| PSKN3-900/1900S | 824-894 & 1850-1990 | SMA Plug |
| EU GSM & ISM 915 | | |
| PSKN3-925/1800S | 870-960 & 1710-1880 | SMA Plug |
| PSKN3-925/1800T | 870-960 & 1710-1880 | TNC Plug |
| EU GSM & ISM 915 with Rev Pol SMA | | |
| PSKN3-925/1800RS | 870-960 & 1710-1880 | Rev SMA Plug |
| Wideband with SMA | | |
| PSKN3-700/2100S | 694-960 & 1710-2170 | MA Plug |
| PSKN3-700/2700S | 694-960 & 1710-2750 | SMA Plug |

All Knuckle-Swivel Models (PSKN) Available in Fixed Position:
 PSN - Straight Fixed Position. PSNRA - Right Angle Fixed Position.

Specifications

Frequency ranges:

| | |
|----------|-------------------------|
| 900/1900 | 824-894 & 1850-1990 MHz |
| 925/1800 | 870-960 & 1710-1880 MHz |
| 700/2100 | 694-960 & 1710-2170 MHz |
| 700/2700 | 694-960 & 1710-2750 MHz |

| | |
|-----------------|--|
| Gain: | 3 dBi peak |
| VSWR: | 2:1 max over range |
| Impedance: | 50 Ohm nominal |
| Maximum Power: | 5 Watt |
| Operating Temp: | -40°C to +85°C |
| Connector: | SMA Plug (Male), TNC Plug (Male), or Reverse Pol SMA |

| | |
|--------------------|--|
| Whip Length: | 6.75” (17.2 cm) at 90° angle, 7.75” (19.7 cm) when straight |
| Radome Material: | Polyurethane, with black matt finish, and knurled connector. |
| Shock & Vibration: | EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C |
| Water Ingress: | IP67 (PSN series) IPx5 (others) |
| Style: | PSKN Adjustable Straight, Right Angle PSN Fixed Straight PSNRA Fixed Right Angle |