

Device Antennas, Halfwave, LTE 3G/4G Dual-band, 694-2170 MHz



PSKN Series in Straight Position

PSN in fixed straight position

PSNRA in fixed right angle position

- 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)
- LTE 700 MHz & Cellular model

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 GSM/CDMA, 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 option, PSKN3-700/2100, covers 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” (172 mm) 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 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 Male |
| PSKN3-900/1900S | 824-894 & 1850-1990 | SMA Male |
| EU GSM & ISM 915 | | |
| PSKN3-925/1800S | 870-960 & 1710-1880 | SMA Male |
| PSKN3-925/1800T | 870-960 & 1710-1880 | TNC Male |
| EU GSM & ISM 915 with Rev Pol SMA | | |
| PSKN3-925/1800RS | 870-960 & 1710-1880 | Rev SMA |
| Wideband with SMA | | |
| PSKN3-700/2100S | 694-960 & 1710-2170 | SMA Male |
| PSKN3-700/2100T | 694-960 & 1710-2170 | TNC Male |
| All Knuckle-Swivel Models (PSKN) Available in Fixed Position: PSN - Straight Fixed Position. PSNRA - Right Angle Fixed Position. | | |

Specifications

| | | | | |
|-----------------|--|---|--------------------|--|
| Frequency: | 900/1900 925/1800 700/2100 | 824-894/1850-1990 MHz 870-960/1710-1880 MHz 694-960/1710-2170 MHz | Whip Length: | 6.75” (172 mm) at 90° angle, 7.75” (197 mm) when straight |
| Gain: | 3 dBi peak | | Radome Material: | Polyurethane, with black matt finish, and knurled connector. |
| VSWR: | 2:1 max over range | | Shock & Vibration: | EN 61373, IEEE 1478, MIL-810G, TIA-329.2-C |
| Impedance: | 50 Ohm nominal | | Water Ingress: | IP67 (PSN series) |
| Maximum Power: | 5 Watt | | Style: | |
| Operating Temp: | -40°C to +85°C | | PSKN | Adjustable Straight, Right Angle |
| Connector: | SMA Plug (Male), TNC Plug (Male), or Reverse Pol SMA | | PSN | Fixed Straight |
| | | | PSNRA | Fixed Right Angle |