

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
<u>US CDMA/GSM/Data</u>		
PSKN3-900/1900T	824-894 & 1850-1990	TNC Male
PSKN3-900/1900S	824-894 & 1850-1990	SMA Male
<u>EU GSM & ISM 915</u>		
PSKN3-925/1800S	870-960 & 1710-1880	SMA Male
PSKN3-925/1800T	870-960 & 1710-1880	TNC Male
<u>EU GSM & ISM 915 with Rev Pol SMA</u>		
PSKN3-925/1800RS	870-960 & 1710-1880	Rev SMA
<u>Wideband with SMA</u>		
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