

Device Antennas, Halfwave 3G/4G Dualband, 694-2750 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 models

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 and PSKN3-700/2750, 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" (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 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		
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
PSKN3-925/1800RS	870-960 & 1710-1880	Rev SMA
Wideband		
PSKN3-700/2100S	694-960 & 1710-2170	SMA Male
PSKN3-700/2100T	694-960 & 1710-2170	TNC Male
PSKN3-700/2700S	694-960 & 1710-2750	SMA Male
PSKN3-700/2700T	694-960 & 1710-2750	TNC Male

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

Specifications

Frequency:	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" (172 mm) at 90° angle, 7.75" (197 mm) 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:	Adjustable Straight, Right Angle Fixed Straight Fixed Right Angle
PSKN	
PSN	
PSNRA	