

1/2 wave Device Antennas Dual Band for CDMA/GSM (EV-DO)



PSKN series in
Straight Position



PSKN series in
Right Angle Position

- Sleek profile with adjustable elbow for straight or angled operation
- Compact design, groundplane independent with high performance
- Models for all wireless modems including GSM/GPRS/EVDO/1xRTT
- Reverse polarity connectors available for ISM 915 operation

The PSKN Dual band antennas offer excellent performance for broadband wireless data applications. The halfwave design means they can be used on plastic or metal without concern for proper ground size.

Two different series are available; a model for US GSM/CDMA, and a model for EU GSM. The EU GSM 900 MHz lower band also operates with the ISM 915 band, without any sacrifice in performance. Additionally, a model is available with reverse polarity SMA connector, for use in ISM 915.

The PSKN Dual band series for CDMA/GSM (EV-DO) have a "blade" type style and 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 radome material is a semi-flex polyurethane, providing some give when stressed but maintaining long term durability. The antennas are available in SMA, TNC and reverse Polarity SMA for 902-928 ISM applications.

Model Numbers for US CDMA/GSM/Data

Model	Frequency MHz	Connector
PSKN3-900/1900T	824-894 & 1850-1990	TNC
PSKN3-900/1900S	824-894 & 1850-1990	SMA

Model Numbers for EU GSM & ISM 915

Model	Frequency MHz	Connector
PSKN3-925/1800S	870-960 & 1710-1880	SMA
PSKN3-925/1800T	870-960 & 1710-1880	TNC

Model Numbers for ISM 915 with Rev Pol SMA

Model	Frequency MHz	Connector
PSKN3-925/1800RS	870-960 & 1710-1880	Rev SMA

Model Applications/Notes:

- ◆ US GSM/CDMA, Edge/EV-DO, 1xRTT use models with nomenclature 900/1900.
- ◆ EU GSM/Data, or ISM 902-928, Mobitex, Skytel use only models with nomenclature "925/1800".

Note: WiFi, 802.11a/b/g models also available, consult separate spec sheet

Specifications

Frequency:		Operating Temp:	-30°C to +60°C
US GSM/CDMA	824-894/1850-1990 MHz	Connector:	SMA, TNC, or Reverse Pol SMA
EU GSM	870-960/1710-1880 MHz		see models indicated above
ISM 915	870 - 960 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
Bandwidth@2:1SWR:	See freq range above		
Impedance:	50 Ohm nominal		
Maximum Power:	5 Watt		