

0.711 M | 2.33 ft. Pseudo Omni Antenna, Slant 45 +/-, polarized, 2.4-2.7

POMNQX-2.7



The RadioWaves Pseudo Omni offers excellent performance in a small aesthetic form factor and is ideal for small cell deployments with a compact design allowing for installation in city mandated enclosures and street furniture while meeting PIM, gain and isolation requirements.

- 4-port OMNI antenna, 2400-2700MHz, 45 Degree Slant Polarization
- Compact form with 6 dBi gain
- Low PIM ideal for small cell deployments
- 4 x 4 MIMO

SPECIFICATIONS

General

Antenna Type	Omnidirectional Antenna
Size, nominal	2.33 ft 0.711 m

Polarization	Slant 45+/-
Standard RF Connector Type	4.3-10 Female

Electrical

Operating Frequency Band	2.4 - 2.7 GHz
Half Power Beamwidth, Horizontal	360 degrees
Half Power Beamwidth, Vertical	29 degrees
Cross-Polarization Discrimination	12 dB
Gain, Low Frequency	5 dBi
Gain, Mid Frequency	5.7 dBi
Gain, High Frequency	6 dBi

VSWR	1.5:1
Return Loss	-14 dB
Port to Port Isolation, Max (dB)	23 dB
PIM (2x5W), Max (dBm)	-110 dBm
Electrical Downtilt, Degrees	0 degrees
Input Power per Port, Max (Watts)	100 Watts

Mechanical

Mounting Pipe Diameter, Min	2 inch 5.08 cm
Mounting Pipe Diameter, Max	7 inch 17.78 cm
Net Weight	5 lbs 2.33 kg
Wind Velocity Operational	100 mph 160 km/h

Wind Velocity Survival Rating	120 mph 200 km/h
Mechanical Configuration	SBPSO
Operating Temperature Range	-40 to +60 C
Ingress Protection	IP65

Regulatory Compliance

Industry Canada Compliance	undeclared
RoHS-compliant	Yes

Shipping Information

Package Type	Cardboard
Gross Weight	9 lbs 4.1 kg

Dimensions, L x W x H	32.5 x 10 x 8.3in 82.6 x 25.4 x 21.1 cm
Shipping Volume	1.6 cu ft 0.04 cu m

4 Type 4.3-10 Connectors to support MIMO Operation

TECHNICAL DRAWINGS

