

AXP18-80

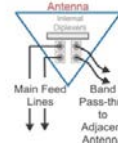
X-Pol Antenna, 1710-2170 MHz, (69.0", 80° H-Beam)

- Macro Cell High Gain Antenna
- Broadband Radiators
- Highly Reliable Fixed Tilt Design
- Suitable for LTE/CDMA/UMTS/GSM
- Mechanical Tilt Bracket Included



Available with Integrated Diplexers

Reduces mainline cables
Eliminates External Tower Devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	1710-1880	1850-1990	1920-2170
Horizontal Beam Width, 3dB points		80°	
Gain, dBi	17.9	18.2	18.5
Vertical Beam Width, 3dB points		5°	
Front-to-Back at 180°, dB		>27	
Upper Side Lobe Suppression, Typical, dB		<-18	
Polarization		+/-45°	
Electrical Down Tilt, Fixed		0, 2, 4, 6°	
VSWR/Return Loss, dB, Maximum (Non-IP)		1.4:1-15.6	
VSWR/Return Loss, dB, Maximum (with-IP)		1.5:1-14.0	
Return Loss, Pass Thru, dB, Maximum		-17.7	
Isolation Between Ports, dB, Minimum		28	
Intermodulation (2x20w), IM3, dBc, Maximum		-150	
Impedance, ohms		50	
Maximum Power Per Connector, CW		250 @ 1900 MHz	

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	69.0/6.7/4.1 in. (1753/170/104mm)
Connector (Quantity)	(2 or 4) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	19.2 lbs (8.7 kg) <i>Note: Weight varies slightly based on ordering options</i>
Bracket Weight	13.2 lb. (6.0 kg)
Standard Bracket Kit	CSS P/N 919011 (Included)
Mechanical Down Tilt Range	0-12°
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	150 mph (241 km/h)
Front Wind Load	106.4 lbf (473.2 N) @100mph
Equivalent Flat Plate	2.12 sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
AXP18-80- x	X-Pol antenna with two back DIN connectors
AXP18-80- x -IP	X-Pol antenna with four back DIN connectors with integrated diplexers
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

x defines the electrical tilt