AXP18-60

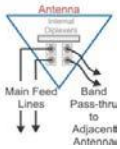
X-Pol Antenna, 1710-2170 MHz, (48.0", 60° H-Beam)

- 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, Average	63°	62°	55°
Gain, dBi, Average	17.7	17.7	18.1
Vertical Beam Width, 3dB points, Average	7.8°	7.2°	6.9°
Front-to-Back at 180°, dB		>26	
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, dB, Maximum, Pass-thru		-17.7	
Isolation Between Ports, dB, Minimum		30	
Intermodulation (2x20w), IM3, dBc, Maximum		-150	
Impedance, ohms		50	
Maximum Power Per Connector, CW		250 @ 1900 MHz	

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MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	48.0/6.7/4.1 in. (1219/170/104mm)
Connector (Quantity)	(2 or 4) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back
Antenna Weight	9.7 lbs (4.4 kg) *Note: Weight varies slightly based on ordering options*
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	64.7 lbf (288 N) @100mph
Equivalent Flat Plate	1.29 sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
AXP18-60-***x***	X-Pol antenna with two back DIN connectors
AXP18-60-***x***-IP	X-Pol antenna with four back DIN connectors with integrated pass-thru diplexers
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

x **defines the electrical tilt**

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