AXP19-60

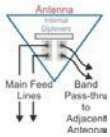
Xpol, 60° H-Beams 1710-2170 MHz

- High Band Macro Cell Antenna
- Optional Internal Diplexers
- Suitable for LTE/CDMA/UMTS/GSM

Available with Integrated Diplexers

Reduces mainline cables

Eliminates External Tower Devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	1710 MHz	1920 MHz	2170 MHz
Horizontal Beamwidth, 3dB points	60º	60º	60º
Gain, dBi	19.0	19.3	19.6
Vertical Beamwidth, 3dB points	5º	5º	5º
Front-to-Back at Horizon	>30 dB		
Upper Sidelobe Suppression, Typical, dB	< -18		
Polarization	Slant +/- 45		
Elect. Downtilt Range, 2º Increments	0-6º		
VSWR/Return Loss, dB	<1.40:1 / 15.6		
VSWR / Return Loss w/ip	<1.50:1 / 14.0		
Isolation Between Ports, dB, Minimum	< -28 dB		
Intermodulation (2x20w)	typ -150 dBc		
Impedance, ohms	50		
Maximum Power Per Connector, CW (w)	250		

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MECHANICAL SPECIFICATIONS

Antenna Dimensions (LxWxD)	69.1 x 6.7 x 4.1 in. (1755 x 170 x 104mm)
Antenna Dimensions with Opt-"ip"	69.1 x 6.7 x 4.5 in. (1755 x 170 x 114mm)
Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Connector Torque	220-265 lbf-in (23-30 N-m)
Antenna Weight	15.0 lbs
Bracket Weight	13.2 lbs
RF Distribution	Printed Microstrip Substrate
Radome	Ultra High-Strength Luran
Weatherability	UV Stabilized, ASTM D1925
Radome Water Absorption	ASTM D570, 0.45%
Environmental	MIL-STD-810E
Wind Survival	150 mph
Front Wind Load @100mph	105 lbf
Equivalent Flat Plate @100mph	2.13 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-12°
Standard Bracket Kit	P/N 919011 (Included)
Clamps/Bolts	Galvanized Steel/Stainless Steel

ORDER INFORMATION

MODEL	DESCRIPTION
AXP19-60-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4 or 6
AXP19-60-xip	“ip” option includes pass-thu integrated diplexer(s) which pass DC to the diplexer port(s)
AXP19-60-x-bot	for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)
919036	Optional Bracket Kit, 2-Point, 12deg D-tilt, For 4.5" OD Pole

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