

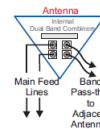
AXP20-60

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
and back mounted connectors,
bottom mounted connectors
are not available with Integrated Diplexers



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	1710 MHz	1920 MHz	2170 MHz
Horizontal Beamwidth, 3dB points	61°	61°	57°
Gain, dBi	18.4	18.2	18.3
Vertical Beamwidth, 3dB points	5°	5°	5°
Front-to-Back at Horizon		>30 dB	
Upper Sidelobe Suppression, dB		< -18	
Polarization		Slant +/- 45	
Elect. Downtilt Range, 2° Increments		0-6°	
VSWR/Return Loss, dB		<1.40:1 / 15.6 dB	
VSWR / Return Loss w/iP		<1.50:1 / 14.0 dB	
Isolation Between Ports, dB, Minimum		< -28	
Intermodulation (2x20w)		typ -150 dBc	
Impedance, ohms		50	
Maximum Power Per Connector, CW (w)		250	

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	93.0 x 6.7 x 4.6 in. (2362.2 x 170.18 x 116.84mm)
Antenna Dimensions with Opt-"ip"	96.0 x 6.7 x 4.6 in. (2438 x 170.18 x 116.84mm)
Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Connector Torque	220-265 lbf-in (23-30 N-m)
Antenna Weight	28 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	143 lbf (1638n)
Equivalent Flat Plate @100mph	2.86 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Down tilt Range	0-6°
Standard Bracket Kit	P/N 919032 (Included)
Clamps/Bolts	Galvanized Steel/Stainless Steel

ORDER INFORMATION

MODEL	DESCRIPTION
AXP20-60-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4 or 6
AXP20-60-xip	"ip" option includes pass-thru integrated diplexer(s) which pass DC to the diplexer port(s)
919049	Optional Bracket Kit, 3-Point, 6 deg D-tilt, For 4.5" OD Pole