

# AXP19-60

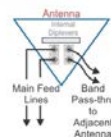
Xpol, 60° H-Beams 1710-2170 MHz

- 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	60°	60°	60°
Gain, dBi	19.0	19.3	19.6
Vertical Beamwidth, 3dB points	5°	5°	5°
Front-to-Back at Horizon	>30 dB		
Upper Sidelobe Suppression, Typical, dB	< -18		
Polarization	Slant +/- 45		
Elect. Downtilt Range, 2° Increments	0-6°		
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		

## 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-thru 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