AXP16-45

Xpol, 45° H-Beams

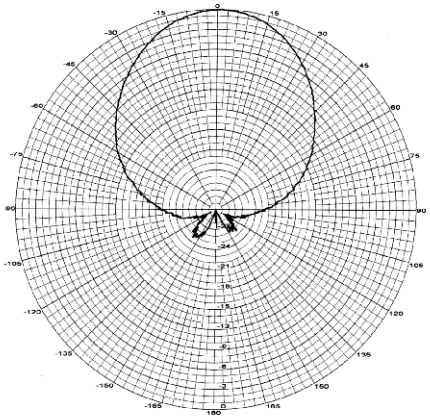
1710-2170 MHz

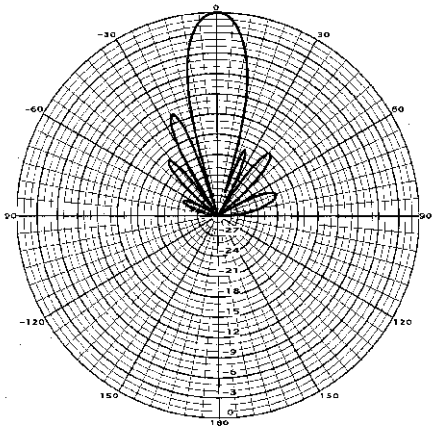
Electrical Specifications

Frequency	1710-2170 MHz
Polarization	Slant +/- 45
Gain @ 1710 MHz	15.8 dBi
Gain @ 1920 MHz	16.1 dBi
Gain @ 2170 MHz	16.4 dBi
Horizontal Beam (3dB Points)	45º
Vertical Beam (3dB Points)	15º
Electrical Downtilt Options	0º
VSWR / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>30 dB
Upper Side Lobe Suppression	<-18 dB
Impedance	50 Ohms
Power Input Per Connector	250 CW at 1900 MHz
Isolation	< -28 dB
Intermodulation (2x20W)	typ -150 dBc

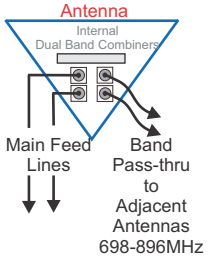
Mechanical Specifications

Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Antenna Dimensions (LxWxD)	24.0 x 10.0 x 4.1 in. (610 x 254 x 104mm)
*Antenna Weight	9 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	31.7 lbf
Equivalent Flat Plate @100mph	.67 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-21°
Clamps/Bolts	Galvanized Steel/Stainless Steel





Available with Integrated Diplexers to reduce mainline cables and eliminate separate external devices



Integrated Pass-Thru Diplexers will work with TMA's

Recommended Connector Coupling Torque
7/16 DIN: 220-265 lbf-in (25-30 N-m)

Ordering Information & Options

AXP16-45-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0
AXP16-45-xip	**"ip"** option includes pass-thu integrated diplexer(s) which pass DC to the diplexer port(s)
AXP16-45-x-bot	for bottom mounted connectors, add "-bot" (otherwise antenna comes standard with back mounted connectors)

*Antenna Weight may vary slightly with options.

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Subject to alteration.

Made in USA