



**DISCONTINUED**

**AXP16-45**  
Xpol, 45° H-Beams

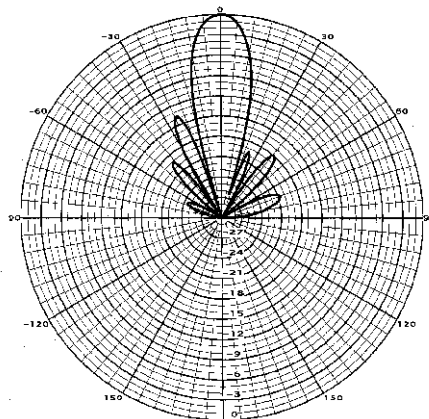
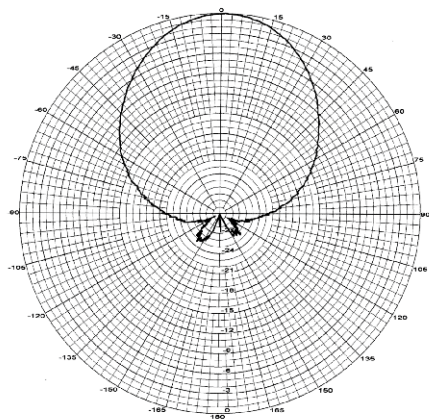
1710-2170 MHz

### Electrical Specifications

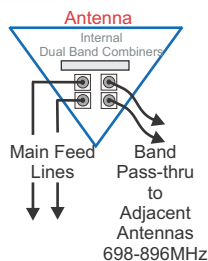
Frequency	1710-2170 MHz
Polarization	Slant +/- 45
Gain @ 1710 MHz	15.8 dBi
Gain @ 1920 MHz	16.1 dBi
Gain @ 2170 MHz	16.4 dBi
Horizontal Beam (3dB Points)	45°
Vertical Beam (3dB Points)	15°
Electrical Downtilt Options	0°
VSWR / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>30 dB
Upper Side Lobe 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.