



# X7C-165

## Xpol, 65° H-Beam

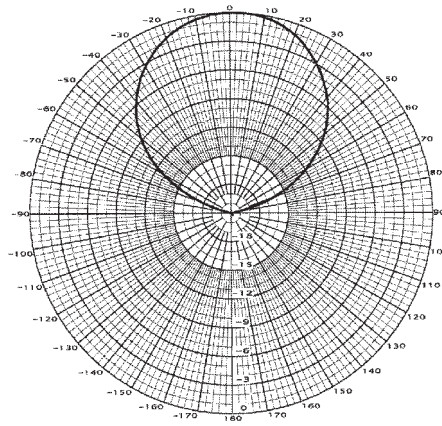
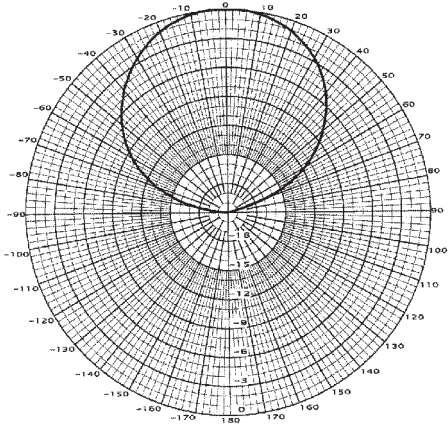
698-896 MHz

### Electrical Specifications

Frequency	698-896 MHz
Polarization	Slant +/- 45
Gain @ 698 MHz	8.6 dBi
Gain @ 752 MHz	8.8 dBi
Gain @ 782 MHz	9.1 dBi
Gain @ 896 MHz	9.3 dBi
Horizontal Beam (3dB Points)	65°
Vertical Beam (3dB Points)	63°
Electrical Downtilt	0°
VSWR / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>25 dB
Impedance	50 Ohms
Power Input Per Connector	250 CW at 800 MHz
Isolation	< -25 dB
Intermodulation (2x20W)	<-150 dBc

### Mechanical Specifications

Input Connector (female)	Bottom 7/16 DIN
Antenna Dimensions (LxWxD)	13.0 x 13.0 x 4.5 in. (330 x 330 x 114mm)
*Antenna Weight	5 lbs
Lightning Protection	Direct Ground
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	120 mph
Front Wind Load @100mph	28 lbf
Equivalent Flat Plate @100mph	.56 sq-ft. (c=2)
Mounting Brackets <a href="#">(wall)</a>	Pole Strap Mount
Clamps/Bolts	Aluminum / Stainless Steel



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

### Ordering Information & Options

X7C-165-0-bot Panel antenna, 65 deg H, bottom mounted connectors, 0-deg e-tilt, with mounting bracket.

\*Antenna Weight may vary slightly with options.