V7C-165

65° Azimuth Beam, 13.0 inches

Directing our energies for you.

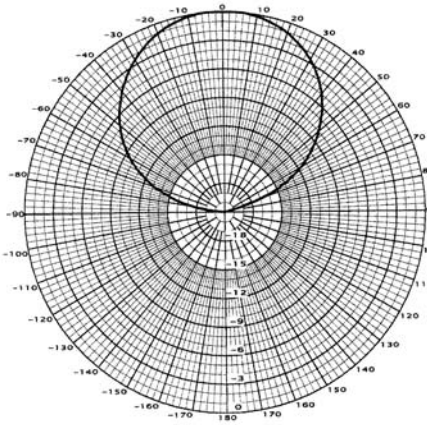
698-896 MHz Vpol

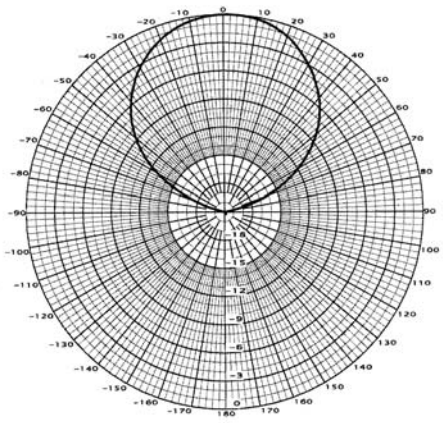
Electrical Specifications

Frequency	698-896 MHz
Polarization	Vertical
Gain @ 698 MHz	6.5 dBd
Gain @ 752 MHz	6.7 dBd
Gain @ 782 MHz	7.0 dBd
Gain @ 896 MHz	7.2 dBd
Horizontal Beam (3dB Points)	65º
Vertical Beam (3dB Points)	63º
Electrical Downtilt	0º
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
Intermodulation (2x20W)	<-150 dBc

Mechanical Specifications

Input Connector (female)	Bottom 7/16 DIN (silver finish)
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 lbs
Equivalent Flat Plate @ 100MPH	.56 sq-ft. (c=2)
Mounting Brackets	Pole Strap Mount
Clamps/Bolts	Aluminum / Stainless Steel





1 Year Warranty

Ordering Information & Options

V7C-165-0-bot	Panel antenna, 65 deg H, bottom mounted connector, 0 deg e-tilt, with mounting bracket.
V7C-165-0-bot-j#	add a "-j#" to add a 1/2" RF cable, where "#" is the cable length, "j2" is 2 meters, "j4" is 4 meters, "j6" is 6 meters...

*Antenna Weight may vary slightly with options such as back or bottom connectors.

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