

## V7C-680

Vpol Antenna, 698-896 MHz, 72", 80° H-Beam

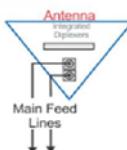
- Vertical Pol. Antenna
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers



### Available with Integrated Diplexers

Reduces mainline cables

Eliminates external devices



## ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896
Horizontal Beam (3dB Points)	80°
Gain @ 800 MHz	14.8 dBi
Vertical Beam (3dB Points)	11°
Polarization	Vertical
Electrical Downtilt Range, 2° Increments	0-10°
VSWR/Return Loss	<1.40:1 / 15.6 dB
VSWR / Return Loss w/ ip	<1.50:1 / 14.0
Front-to-Back at Horizon	>27 dB
Upper Side Lobe Suppression	<-16 dB
Impedance	50 Ohms
Power Input Per Connector CW, (w)	500
Intermodulation (2x20W)	<-150 dBc

## MECHANICAL SPECIFICATIONS

Input Connector (female)	Back 7/16 DIN or w/bot. opt.
Recommended Connector Coupling Torque	7/16 DIN: 220-265 lbf-in (25-30 N-m)
Antenna Dimensions (LxWxD)	72.0 x 12.5 x 7.1 in. (1829 x 318 x 180mm)
*Antenna Weight	approx. 27 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	177.4 lbf
Equivalent Flat Plate @100mph	3.6 sq-ft. (c=2)
Mounting Brackets	Fits 3.5 Inch Max. O.D. Pipe
Mechanical Downtilt Range	0-6°
Standard Bracket Kit	P/N 919011 ( Included )
Clamps/Bolts	Galvanized Steel/Stainless Steel

## ORDER INFORMATION

MODEL	DESCRIPTION
V7C-680-x	"-x" is a placeholder for the built-in fixed electrical downtilt in degrees, set to 0, 2, 4, 6, 8 or 10
V7C-680-xip	"ip" option includes pass-thru integrated diplexer(s) which pass DC to the diplexer port(s)
V7C-680-xip-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

\*Antenna Weight may vary slightly with options.