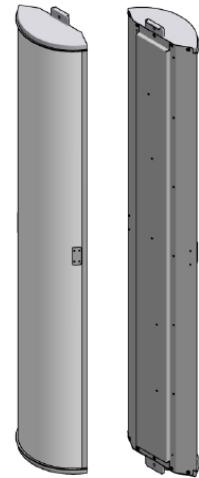


## FLG-X7C-665

Xpol., 698-896 MHz, 65° H-Beam

- Flag Pole Antenna
- Suitable for LTE/CDMA/UMTS/GSM



### ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-896 MHz
Polarization	Slant +/- 45°
Gain @ 896 MHz	16.4 dBi
Horizontal Beam (3dB Points)	65°
Vertical Beam (3dB Points)	10°
Elect. Downtilt Range, 2° Increments	0-10°
VSWR / Return Loss	<1.50:1 / 14.0 dB
Front-to-Back at Horizon	>27 dB
Upper Side Lobe Suppression	<-18 dB
Impedance, ohms	50 Ohms
Power Input Per Port CW, (w)	500
Intermodulation (2x20w), IM3, dBc	-150
Isolation	< -26 dB
Intermodulation (2x20W)	<-150 dBc

## MECHANICAL SPECIFICATIONS

Input Connector (female)	2 Bottom Mounted 7/16 DIN
Connector Torque	220-265 lbf-in (25-30 N-m)
Antenna Dimensions (LxWxD)	74.6 x 13.9 x 6.2 in. (1895 x 354 x 159mm)
Antenna Weight	28 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	Must be mounted in an enclosed structure
Front Wind Load @100mph	Not specified
Equivalent Flat Plate @100mph	Not specified
Mounting (919038)	Stainless Steel Band Straps

## ORDER INFORMATION

MODEL	DESCRIPTION
FLG-X7C-665-x	"x" is a placeholder for the built-in fixed electrical downtilt in degrees set "x" to 0, 2, 4, 6, 8 or 10 for electrical tilt.
FLG-6-3	Optional base mounting plate with 6ft center pole, includes brackets, holds 3 FLG antennas

## Mechanical Outline Drawing

This antenna must be mounted in an enclosed structure

