

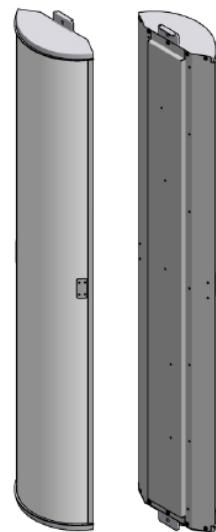
FLG-X7CAP-665

Dual Band Xpol, 65° H-Beams

698-896 MHz

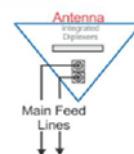
1710-2170 MHz

- Flag Antenna: Designed for Flag Pole Installations
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers



Optional Internal Diplexers:

Reduces Mainline Loss
Eliminates External Devices



ELECTRICAL SPECIFICATIONS

| Frequency Band, MHz | 698-896 | 1710-2170 |
|--|----------|---------------------------------|
| Horizontal Beam Low / High Band | 65° | 65° |
| Vertical Beam Low / High Band | 11° | 5° |
| Gain @ 896 MHz | 15.9 dBi | |
| Gain @ 2155 MHz | | 18.7 dBi |
| Polarization | | Slant +/- 45° |
| Electrical Downtilt Range, 2° Increments | | 2-10° low band & 2-6° high band |
| VSWR/Return Loss | | <1.50:1 / 14.0 dB |
| Front-to-Back at Horizon | | >27 dB |
| Front-to-Back at Horizon High Band | | >27 dB |
| Upper Side Lobe Suppression | | <-18 dB |
| Impedance | | 50 Ohms |
| Power Input Per Connector CW, ("ip") (w) | | 500 |
| Intermodulation (2x20W) | | <-150 dBc |

All Specifications are subject to change.

Refer to www.jmawireless.com for the most current information

www.jmawireless.com

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MECHANICAL SPECIFICATIONS

| | |
|---------------------------------------|---|
| RF Interface (QTY) Location | (2) If internally diplexed (4) if non diplexed 7/16 (F) DIN at the bottom |
| Recommended Connector Coupling Torque | 220-265 lbf-in (25-30 N-m) |
| Antenna Dimensions (LxWxD) | 74.6 x 13.9 x 6.2 in (1895x354x159mm) |
| Antenna Weight | 33 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 | Must be mounted in an enclosed structure |
| Wind Load @100mph | Not specified |
| Equivalent Flat Plat @100mph | Not specified |
| Mounting Bracket (919038) | Stainless Steel Band Straps for 6-8" Diameter pole (Included) |

ORDER INFORMATION

| MODEL | DESCRIPTION |
|------------------|--|
| FLGX7CAP665-xyip | This model includes two built-in diplexers to reduce input connector ports from 4 to 2 |
| FLGX7CAP665-xy | This model includes no built-in diplexers, four connector ports on bottom. "xy" is a placeholder for the built-in fixed electrical downtilt in degrees set "x" to 2, 4, 6, 8 or 10 for low frequency band-side of antenna set "y" to 2, 4 or 6 for high frequency band-side of antennas |
| FLG-6-3 | Optional base mounting plate with 6ft center pole only, includes brackets, holds 3 FLG antennas. |
| 919043 | Optional Flag pole Mounting Kit for 6' Long antenna |
| 919040 | Optional 4" extended mounting bracket kit (Band Straps for 10-14" Dia. Pole not included) |

*Antenna Weight may vary slightly with options.

Mechanical Drawing

