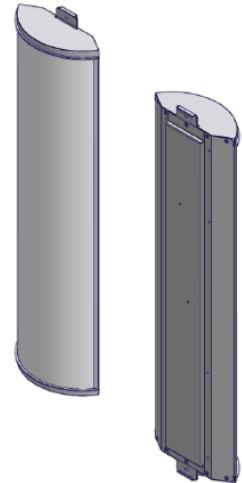


FLG-X7CAP-465

Dual Band Xpol, 4', 65° H-Beams

698-896 MHz

1710-2170 MHz

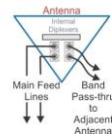


- Flag Antenna: Designed for Flag Pole Installations
- Suitable for LTE/CDMA/UMTS/GSM
- Optional Internal Diplexers

Available with Integrated Diplexers

Reduces mainline cables

Eliminates external tower devices



ELECTRICAL SPECIFICATIONS

| Frequency Band, MHz | 698-896 | 1710-2170 |
|--|----------------|----------------|
| Horizontal Beam Width, 3dB points | 65° | 65° |
| Gain, dBi | 14.4 | 17.9 |
| Vertical Beam Width, 3dB points | 14.5° | 7.0° |
| Front-to-Back at 180°, dB | >27 | >27 |
| Upper Side Lobe Suppression, Typical, dB | <-18 | <-18 |
| Polarization | +/-45° | +/-45° |
| Electrical Down Tilt | 2-10° | 2-6° |
| VSWR/Return Loss, dB, Maximum | <1.50:1 / 14.0 | <1.50:1 / 14.0 |
| VSWR/Return Loss, dB, Max. "ip" Option | 1.6:1/-12.7 | 1.6:1/-12.7 |
| Isolation Between Ports, dB, Minimum | <-26 | <-26 |
| Intermodulation (2x20w), IM3, dBc | -150 | -150 |
| Impedance, ohms | 50 | 50 |
| Maximum Power Per Connector, CW (w) | 500 | 250 |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------------|---|
| Dimensions, Length/Width/Depth | 50.6 x 13.9 x 6.2 in (1285x353x157mm) |
| Connector (Quantity) Location | (2) If Internally Diplexed or (4) if Non diplexed, 7/16 (F) DIN at the bottom |
| RF Distribution | Printed Microstrip Substrate |
| Antenna Weight | 22.0 lbs |
| Bracket Weight | 13.2 lbs (5.99 Kg) |
| Mounting Bracket (919038) | Stainless Steel Band Straps (Included) |
| Mechanical Down Tilt Range | Not applicable Fixed at 0° |
| Wind Survival | Must be mounted in an enclosed structure |
| Front Wind Load @100mph | Not specified |
| Equivalent Flat Plate@100mph | Not specified |

ORDER INFORMATION

| MODEL | DESCRIPTION |
|--------------------|--|
| FLG-X7CAP-465-xyip | Includes two built-in diplexers to reduce input connector ports from 4 to 2 (see NOTE 1) |
| FLG-X7CAP-465-xy | Includes no built-in diplexers, four connector ports on bottom (see NOTE 1) |
| 919040 | Optional Extended bracket kit for 10-14" Diameter pole. Band Straps Supplied by the customer |
| 909037 | Optional Flag Pole Mounting Kit for 4' Flag pole antenna |
| NOTE 1 | x = The required fixed, low-band tilt values, which are 2,4,6,8 or 10° y = The required fixed, high-band tilt values, which are 2,4 or 6° |

Mechanical Outline Drawing

