

CWB070X03Fxyz0

DUAL BAND | BACK-TO-BACK | CANISTER ANTENNA | X-POL | FIXED TILT | 305 MM (12.0 IN)

Features

- Back-to-Back configuration with 8 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3/10 or 7/16-DIN connectors
- Four unique mounting options
- Available in gray and brown



Connector Description

The antenna has 8 connectors located at the bottom.

| | | |
|-----------|---------------|---|
| Low Band | 696-960 MHz | (4x) 4.3/10 or 7/16-DIN Female Connectors |
| High Band | 1695-2180 MHz | (4x) 4.3/10 or 7/16-DIN Female Connectors |

| Electrical Characteristics | Low Band | | High Band | | |
|--|-------------------------|---------|---------------|-----------|-----------|
| | 696-960 MHz | | 1695-2180 MHz | | |
| Frequency Bands (MHz) | 696-806 | 806-960 | 1695-1880 | 1850-1990 | 1920-2180 |
| Polarization | ±45° | | ±45° | | |
| Horizontal Beamwidth | 70° | 65° | 70° | 68° | 65° |
| Vertical Beamwidth | 60° | 55° | 30° | 28° | 25° |
| Gain | 6.0 dBi | 7.0 dBi | 8.0 dBi | 8.5 dBi | 9.0 dBi |
| Electrical Downtilt (°) | (x) 0 | | (y) 0, 5 | | |
| Impedance | 50Ω | | 50Ω | | |
| VSWR | ≤ 1.5:1 | | ≤ 1.5:1 | | |
| Upper Sidelobe Suppression | > 15 dB | | > 15 dB | | |
| Front-to-Back Ratio | > 25 dB | | > 25 dB | | |
| Isolation Between Ports | 20 dB | | 28 dB | | |
| IM3 (2x20W carrier) | < -153 dBc | | < -153 dBc | | |
| Input Power | (4x) 500 W | | (4x) 300 W | | |
| Diplexed | No | | | | |
| Number of Sectors, Sector Spacing and/or Pattern Shape | 2 Sectors, Back-to-Back | | | | |
| Lightning Protection | Direct Ground | | | | |

Mechanical Characteristics

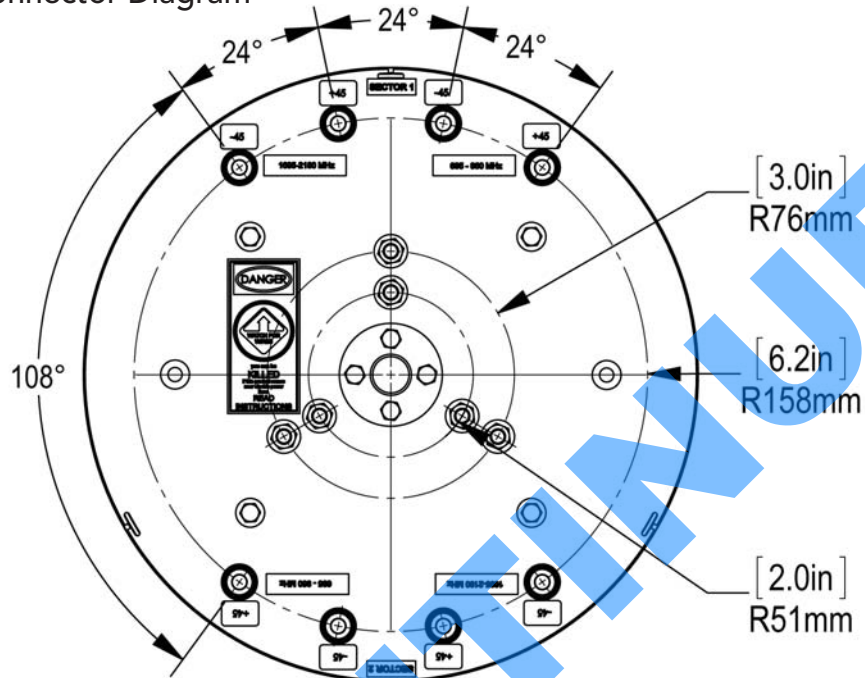
| | | |
|--|---------------------|----------------------|
| Antenna Dimensions (Height x Diameter) | 305 x 371 mm | 12.0 x 14.6 in |
| Weight without Mounting Bracket Kit | 9.3 kg | 20.6 lbs |
| Antenna Volume | 0.03 m ³ | 1.2 ft ³ |
| Survival Wind Speed | 200 km/hr | 125 mph |
| Wind Area | 0.11 m ² | 1.22 ft ² |
| Wind Load (160 km/hr or 100 mph) | 93 N | 21 lbf |

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

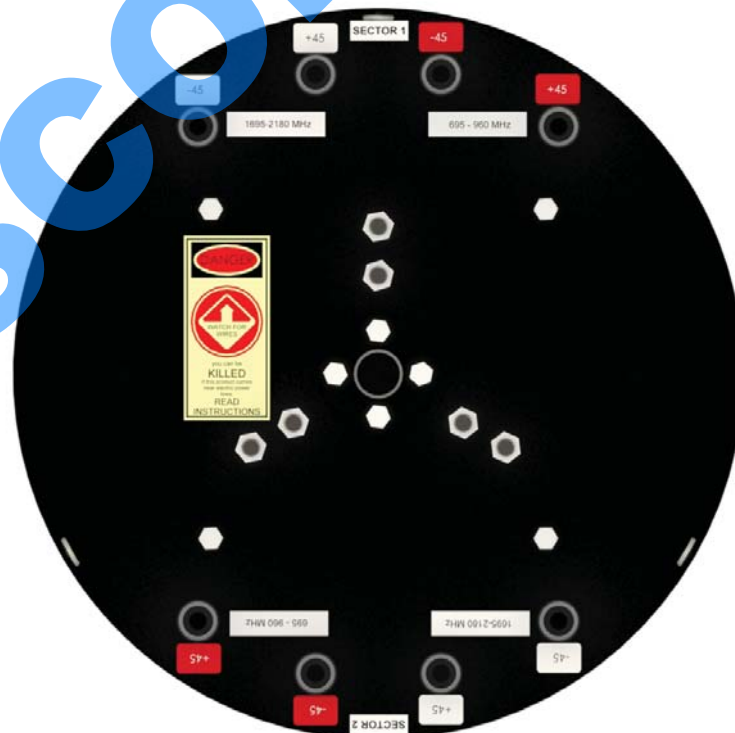
CWB070X03Fxyz0

DUAL BAND | BACK-TO-BACK | CANISTER ANTENNA | X-POL | FIXED TILT | 305 MM (12.0 IN)

Bottom View - Connector Diagram



Bottom View - Labeling

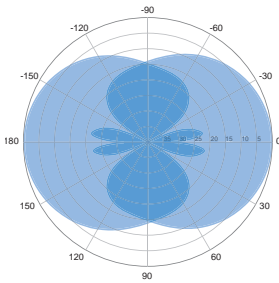


Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

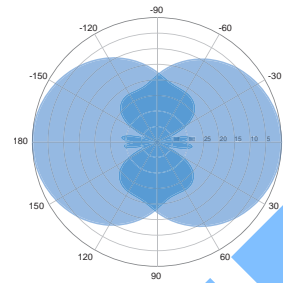
CWB070X03Fxy0

DUAL BAND | BACK-TO-BACK | CANISTER ANTENNA | X-POL | FIXED TILT | 305 MM (12.0 IN)

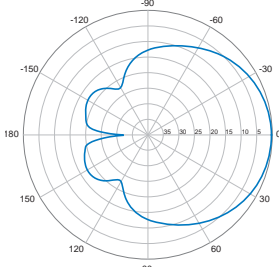
696-960 MHz



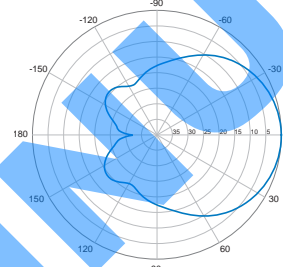
Horizontal | 750 MHz



Horizontal | 850 MHz

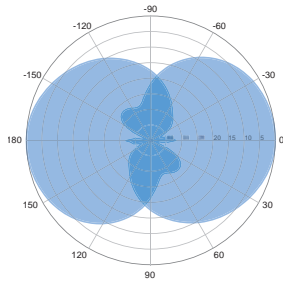


Vertical | 0° | 750 MHz

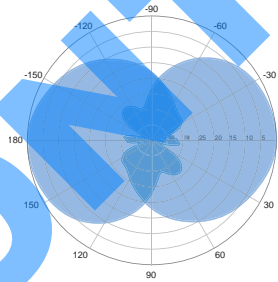


Vertical | 0° | 850 MHz

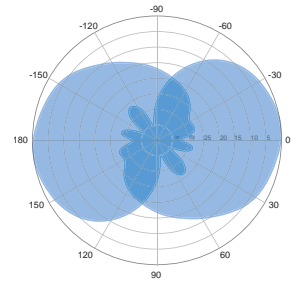
1695-2180 MHz



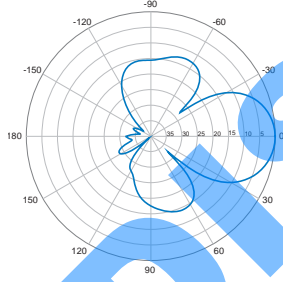
Horizontal | 1800 MHz



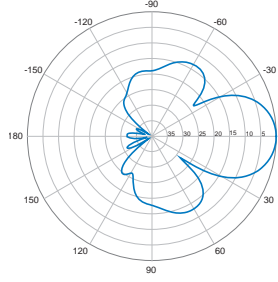
Horizontal | 1900 MHz



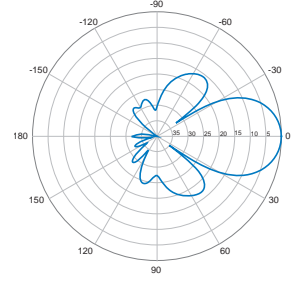
Horizontal | 2100 MHz



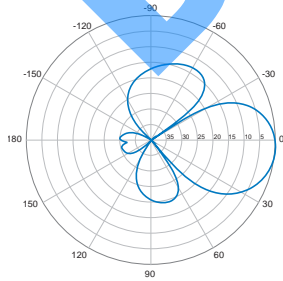
Vertical | 0° | 1800 MHz



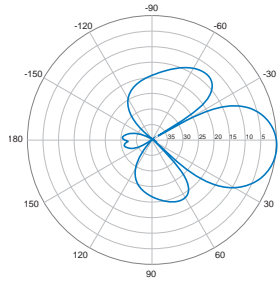
Vertical | 0° | 1900 MHz



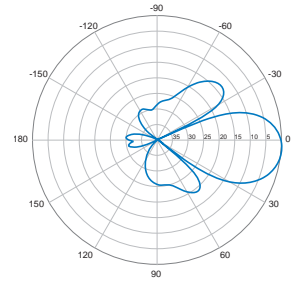
Vertical | 0° | 2100 MHz



Vertical | 5° | 1800 MHz



Vertical | 5° | 1900 MHz



Vertical | 5° | 2100 MHz

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

CWB070X03Fxyz0

DUAL BAND | BACK-TO-BACK | CANISTER ANTENNA | X-POL | FIXED TILT | 305 MM (12.0 IN)

Ordering Options

When ordering, select the Paint Color, Degree of Electrical Downtilt (**xy**) for the Low and High Bands and the Connector Type (**z**).

| Paint Color | Electrical Downtilt Degree | | Connector Type (z) | |
|---------------|----------------------------|------------------------|-----------------------------|---------------------------|
| | Low Band (x) | High Band (y) | 4.3/10 Female | 7/16-DIN Female |
| Painted Gray | 0° | 0° | CWB070X03F 00s 0 | CWB070X03F 00D 0 |
| | 0° | 5° | CWB070X03F 05s 0 | CWB070X03F 05D 0 |
| Painted Brown | 0° | 0° | CWB070X03F 00s 0BR | CWB070X03F 00D 0BR |
| | 0° | 5° | CWB070X03F 05s 0BR | CWB070X03F 05D 0BR |

Mounting Kits

This antenna can be mounted using any of the following mounting kits. Mounting kits must be ordered separately.

| Side Mounting Bracket Kit | Top Mounting Bracket Kit | Utility Pole Mounting Bracket Kit | Wide Diameter Pole Top Mounting Bracket Kit |
|---|---|--|---|
| CWT-MKS-SIDE | CWT-MKS-TOP | WB3X-MKS-01 | CWT-MKS-BASE-xx |
|  |  |  |  |

Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.