




# WB3X080X06Fx60

Single Band | Tri Sector Cylindrical Antenna | X-Pol | 80° | 13.5 dBi | Fixed Tilt

- Single band, cylindrical antenna
- Tri sector configuration (120°) with 6 connectors
- Ideal for Small Cell / DAS applications
- Can be ordered with a variety of different mounting options
- Can be painted to blend in with mounting structure

| Ordering Options  |   |                                 |                    |              |
|---|---|---------------------------------|--------------------|--------------|
| Option A: Mounting Kit and Painting Options   | Mounting Kit Options  |                                 | Model Number       | Includes     |
| The WB3X080X06Fx60 can be ordered with different mounting kit options and can be painted to blend with the structure on which it's mounted. | <br>Unpainted (Gray) | Antenna only, no mounting kit   | WB3X080X06Fx60     | ---          |
|   |   | with Side Mounting Pipe Mtg Kit | WB3X080X06Fx60-S   | CWT-MKS-SIDE |
|   |   | with Top Mounting Pipe Mtg Kit  | WB3X080X06Fx60-T   | CWT-MKS-TOP  |
|   |   | with Utility Pole Mounting Kit  | WB3X080X06Fx60-U   | WB3X-MKS-01  |
| Select from the Mounting Kit and Painting Option combinations shown at right.   | <br>Painted Brown    | Antenna only, no mounting kit   | WB3X080X06Fx60BR   | ---          |
|   |   | with Side Mounting Pipe Mtg Kit | WB3X080X06Fx60BR-S | CWT-MKS-SIDE |
|   |   | with Top Mounting Pipe Mtg Kit  | WB3X080X06Fx60BR-T | CWT-MKS-TOP  |
|   |   | with Utility Pole Mounting Kit  | WB3X080X06Fx60BR-U | WB3X-MKS-01  |
| <br>Painted White   |   | Antenna only, no mounting kit   | WB3X080X06Fx60WH   | ---          |
|   |   | with Side Mounting Pipe Mtg Kit | WB3X080X06Fx60WH-S | CWT-MKS-SIDE |
|   |   | with Top Mounting Pipe Mtg Kit  | WB3X080X06Fx60WH-T | CWT-MKS-TOP  |
|   |   | with Utility Pole Mounting Kit  | WB3X080X06Fx60WH-U | WB3X-MKS-01  |

**Option B: Electrical Downtilt**

When ordering, replace the "x" in the model number with the desired electrical downtilt. Select from the options listed below under Electrical Downtilt.

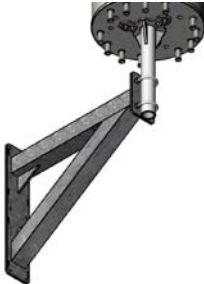
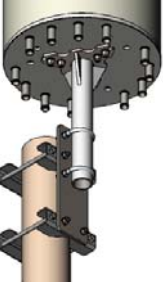
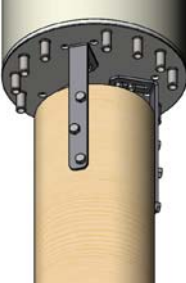
| Electrical Characteristics                   | 1695-2180 MHz  |           |           |
|--|--|-----------|-----------|
|  | 1695-1880  | 1850-1990 | 1900-2180 |
| Frequency Bands (MHz)                        | 1695-1880  | 1850-1990 | 1900-2180 |
| Polarization                                 | ±45°   |           |           |
| Horizontal Beamwidth                         | 74°  | 78°       | 80°       |
| Vertical Beamwidth                           | 22°  | 20°       | 18°       |
| Gain   | 12.8 dBi   | 13.2 dBi  | 13.5 dBi  |
| Omni Gain                                    | 7.0 dBi  |           |           |
| Electrical Downtilt (°)                      | (x) 0, 2   |           |           |
| Impedance                                    | 50Ω  |           |           |
| VSWR   | < 1.4:1  |           |           |
| Upper Sidelobe Suppression                   | > 16 dB  |           |           |
| Front-to-Back Ratio                          | > 18 dB  |           |           |
| Isolation Between Ports                      | 24 dB  |           |           |
| IM3 (2x20W Carriers)                         | < -153 dBc   |           |           |
| Input Power                                  | 300 W  |           |           |
| Total Number of Connectors / Type / Location | 6 Connectors / 7-16 DIN / Female / Bottom of Antenna |           |           |
| Diplexed                                     | No   |           |           |
| Number of Sectors / Sector Spacing           | 3 Sectors / 120° Spacing                             |           |           |
| Operating Temperature                        | -40° to +60° C (-40° to +140° F)                     |           |           |
| Lightning Protection                         | Direct Ground  |           |           |



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.

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| Mechanical Characteristics  |                           |  |
|---|---------------------------|--|
| Dimensions (Height x Diameter)  | 610 x 191 mm              | 24.0 x 7.5 in  |
| Weight without Mounting Brackets  | 5.9 kg                    | 13 lbs   |
| Survival Wind Speed   | 200 km/hr                 | 125 mph  |
| Wind Area   | 0.12 m <sup>2</sup>       | 1.25 ft <sup>2</sup>   |
| Wind Loads (160 km/hr or 100 mph)   | 62 N                      | 13.7 lbf   |
| Mounting Options  |                           |  |
| This antenna can be mounted using any of the following mounting kits. Mounting kits can be ordered as a separate line item with model number WB3X080X06Fx60 or can be included with the antenna as a single line item. See Ordering Options (page 1) for details. |                           |  |
| Side Mounting, Pipe Mounting Kit  | Part Number: CWT-MKS-SIDE |    |
| Top Mounting, Pipe Mounting Kit   | Part Number: CWT-MKS-TOP  |   |
| Utility Pole Mounting Kit   | Part Number: WB3X-MKS-01  |  |

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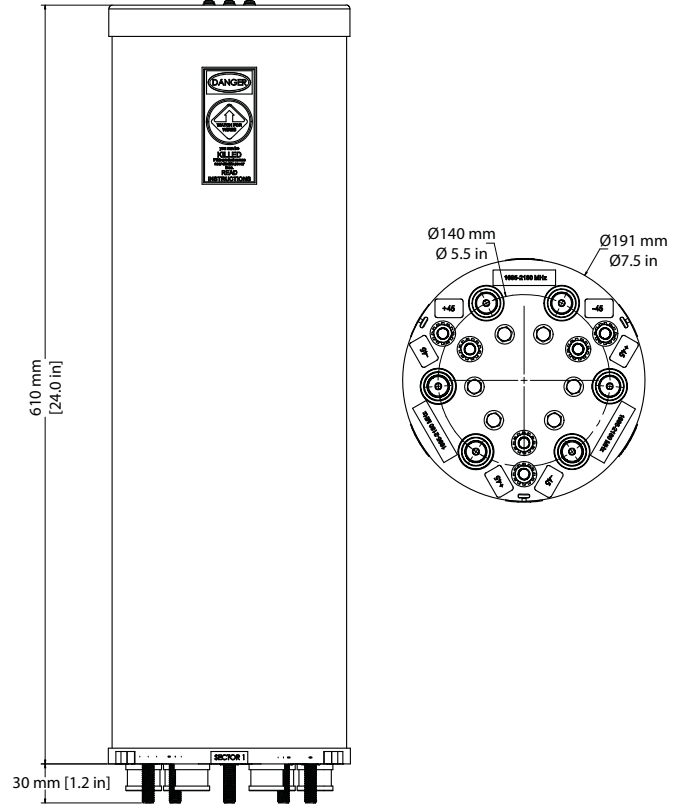
WB3X080X06Fx60

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Bottom View of Antenna



Dimensions

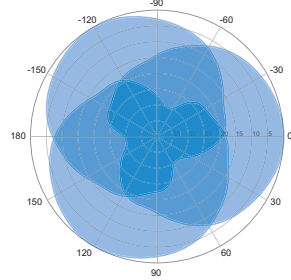


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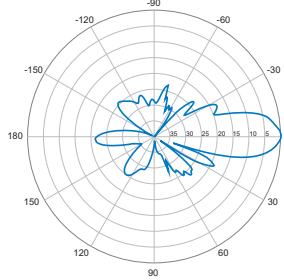
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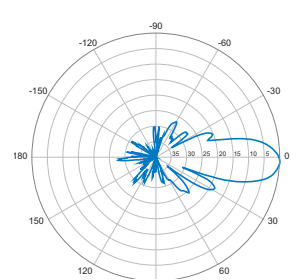
**1695-2180 MHz**



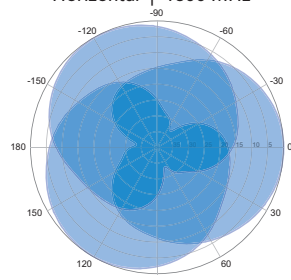
Horizontal | 1800 MHz



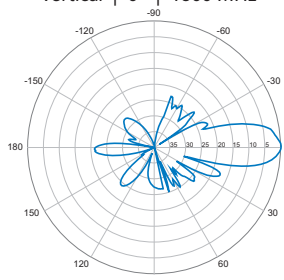
Vertical | 0° | 1800 MHz



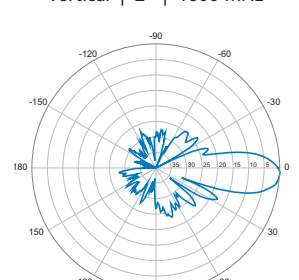
Vertical | 2° | 1800 MHz



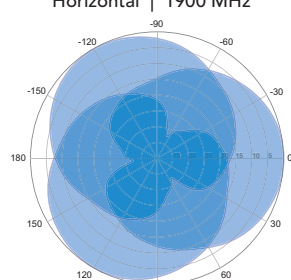
Horizontal | 1900 MHz



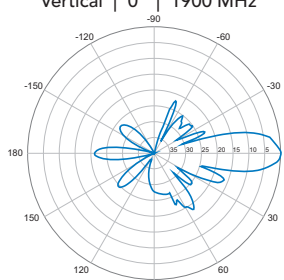
Vertical | 0° | 1900 MHz



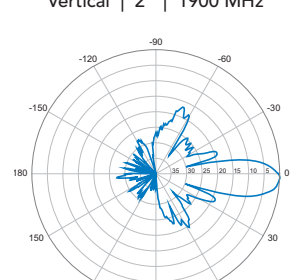
Vertical | 2° | 1900 MHz



Horizontal | 2100 MHz



Vertical | 0° | 2100 MHz



Vertical | 2° | 2100 MHz

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