

## UUB180X06Fyz0

TWIN BAND | 180° PEANUT-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

### Features

- Back-to-Back configuration with 4 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3-10 or 7/16-DIN connectors
- Four unique mounting options
- Available for order with a grey, brown or black radome

### Connector Description

The antenna has 4 connectors located at the bottom.

Band #1	■ Y1	1695-2700 MHz	(2x) 4.3-10 or 7/16-DIN Female
Band #2	■ Y2	1659-2700 MHz	(2x) 4.3-10 or 7/16-DIN Female

### Electrical Characteristics

■ Y1 ■ Y2

Electrical specifications are shown for Sector #1. Back-to-Back antennas are combined to form azimuth peanut pattern shape.

Frequency Bands (MHz)	(2x) 1695-2700 MHz			
	1695-1880	1850-1990	1920-2200	2200-2700
Polarization	(2x) $\pm 45^\circ$			
Horizontal Beamwidth	$65^\circ \pm 11.7^\circ$	$75^\circ \pm 11.7^\circ$	$76^\circ \pm 10.7^\circ$	$57^\circ \pm 10.1^\circ$
Vertical Beamwidth	$18.3^\circ \pm 1.9^\circ$	$16.8^\circ \pm 1.1^\circ$	$16.1^\circ \pm 1.4^\circ$	$12.8^\circ \pm 1.3^\circ$
Gain	$10.0 \pm 0.9$	$10.1 \pm 0.9$	$10.3 \pm 1.0$	$12.02 \pm 0.8$
Electrical Downtilt ( $^\circ$ )	(y) 0, 6			
Impedance	50 $\Omega$			
VSWR	$\leq 1.5:1$			
Upper Sidelobe Suppression	$> 15$ dB			
Isolation Between Ports	22 dB			
IM3 (2x20W carrier)	$< -153$ dBc			
Input Power	(4x) 300 W			
Diplexed	No			
Number of Sectors, Sector Spacing and/or Pattern Shape	180° Peanut-Shape			
Lightning Protection	Direct Ground			

### Mechanical Characteristics

Antenna Dimensions (Height x Diameter)	610 x 371 mm	24.0 x 14.6 in
Weight without Mounting Bracket Kit	12.2 kg	26.9 lbs
Antenna Volume	0.07 m <sup>3</sup>	2.3 ft <sup>3</sup>
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.22 m <sup>2</sup>	2.4 ft <sup>2</sup>
Wind Load (160 km/hr or 100 mph)	191 N	43 lbf

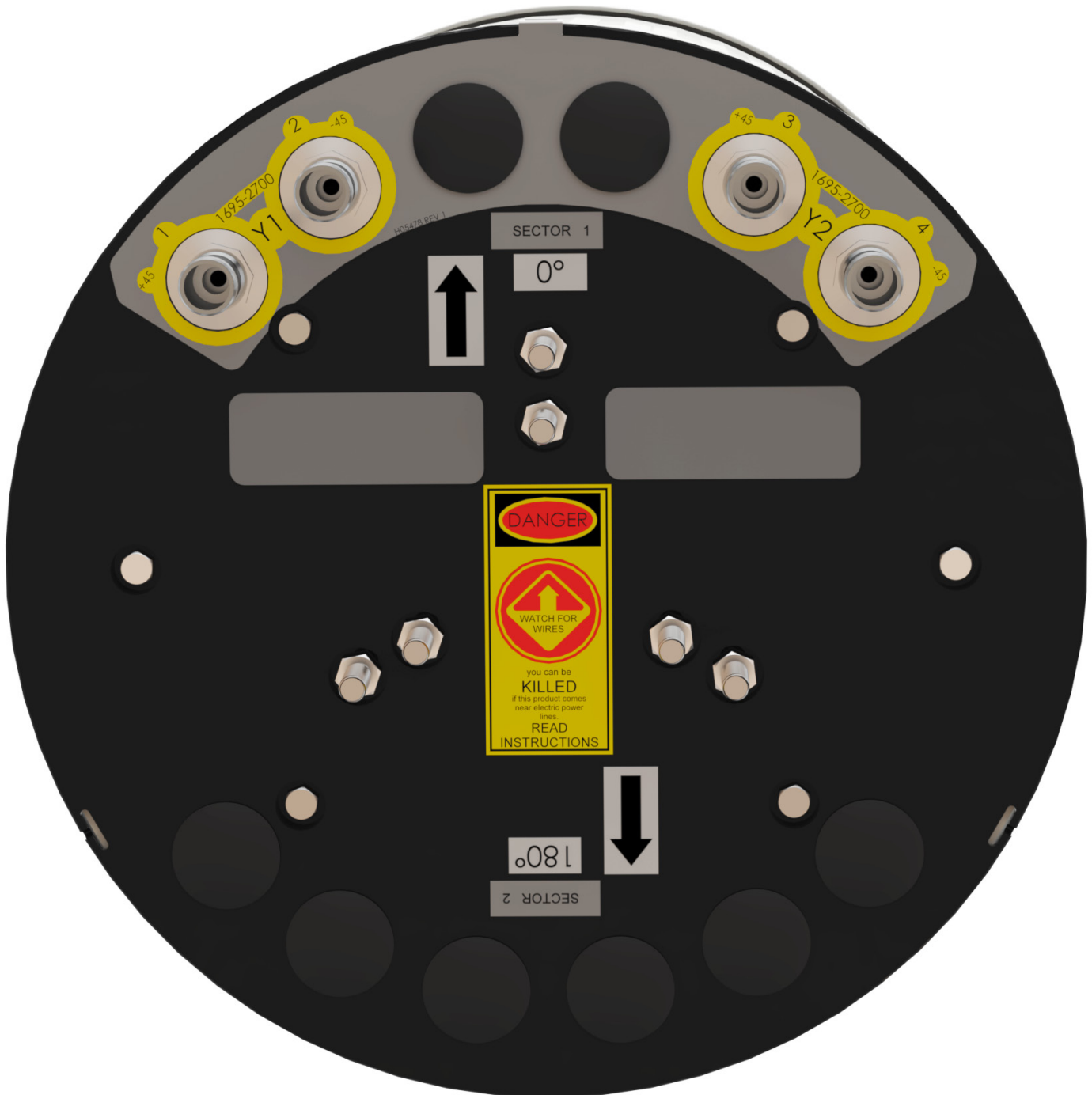


Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage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

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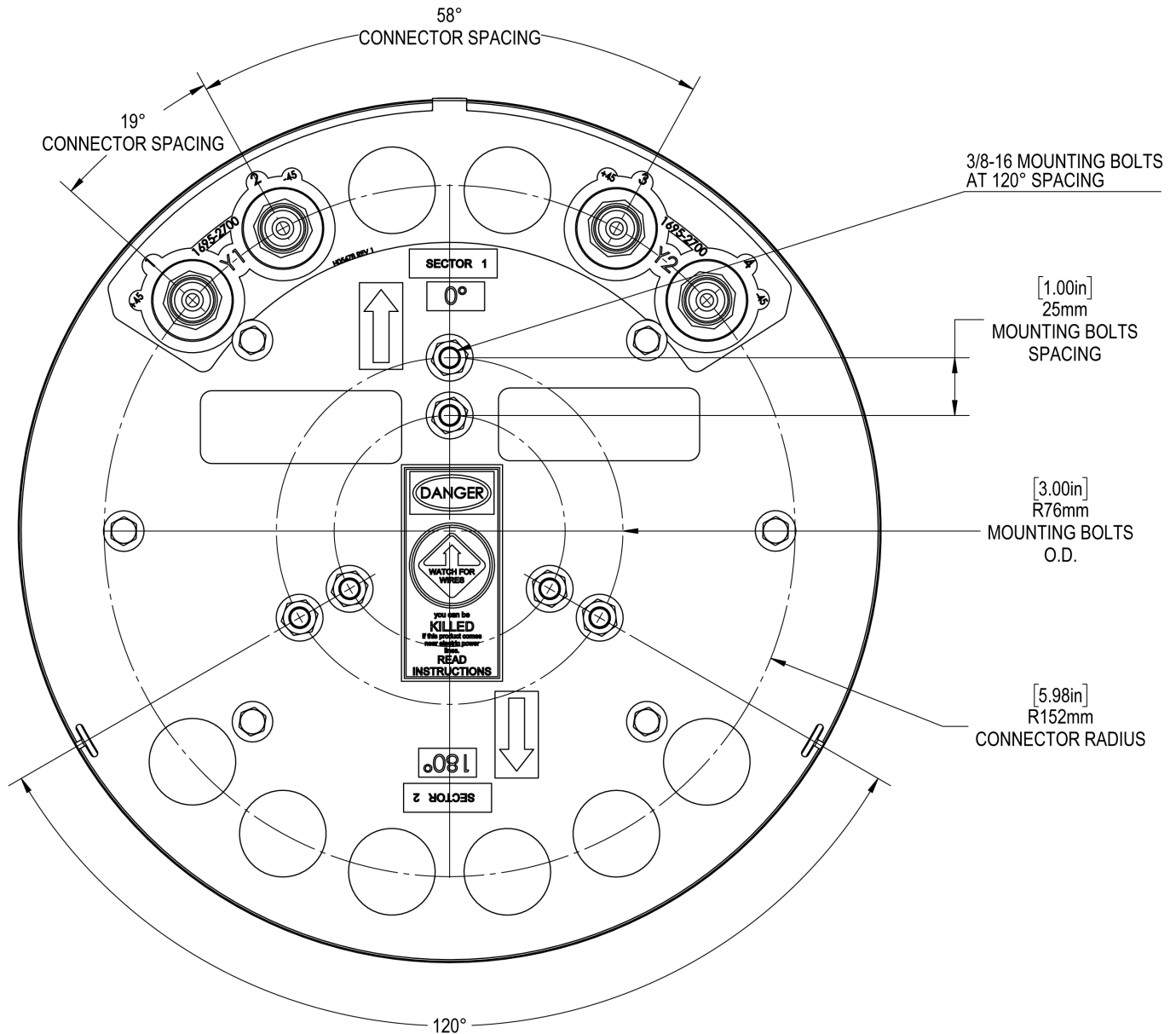
### Bottom View - Labeling



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### Bottom View - Connector Diagram



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### Ordering Options

When ordering, select the Radome Color, Degree of Electrical Downtilt (**y**) and the Connector Type (**z**).


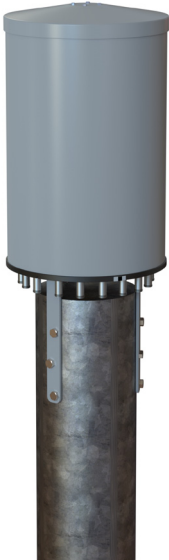
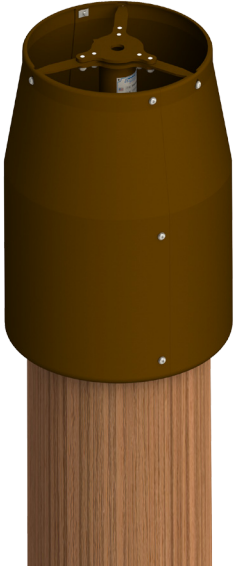
Radome Color	Electrical Downtilt Degree ( <b>y</b> )	Connector Type ( <b>z</b> )	
	■ Y1 ■ Y2	4.3-10 Female	7/16-DIN Female
Grey Pantone 420 C	0°	UUB180X06F <b>0s0</b>	UUB180X06F <b>0D0</b>
	6°	UUB180X06F <b>6s0</b>	UUB180X06F <b>6D0</b>
Brown Pantone 476 C	0°	UUB180X06F <b>0s0BR</b>	UUB180X06F <b>0D0BR</b>
	6°	UUB180X06F <b>6s0BR</b>	UUB180X06F <b>6D0BR</b>
Black RAL 9011	0°	UUB180X06F <b>0s0BK</b>	UUB180X06F <b>0D0BK</b>
	6°	UUB180X06F <b>6s0BK</b>	UUB180X06F <b>6D0BK</b>

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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
			

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