

## CUD070X06Fxyz0

DUAL BAND | DUAL SECTOR | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

### Features

- Dual Sector 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 for order with a grey, brown or black radome

### Connector Description

The antenna has 8 connectors located at the bottom.

Low Band	■ R1	696-960 MHz	(4x) 4.3-10 or 7/16-DIN Female
Mid Band	■ Y1	1695-2700 MHz	(4x) 4.3-10 or 7/16-DIN Female

Electrical Characteristics	■ R1	■ Y1
Frequency Bands (MHz)	696-960 MHz	1695-2700 MHz
	696-806 806-960	1695-1880 1850-1990 1920-2200 2300-2700
Polarization	±45°	±45°
Horizontal Beamwidth	75° 70°	75° 76° 77° 63°
Vertical Beamwidth	42° 40°	17° 16° 15° 14°
Gain	9.0 dBi 10.0 dBi	13.0 dBi 13.5 dBi 14.0 dBi 14.3 dBi
Electrical Downtilt (°)	(x) 0, 5	(y) 0, 6
Impedance	50Ω	50Ω
VSWR	≤ 1.5:1	≤ 1.5:1
Upper Sidelobe Suppression	N/A	> 14 dB
Front-to-Back Ratio	> 25 dB	> 20 dB
Isolation Between Ports	23 dB	22 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, 120° Spacing	
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	10.3 kg	22.8 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

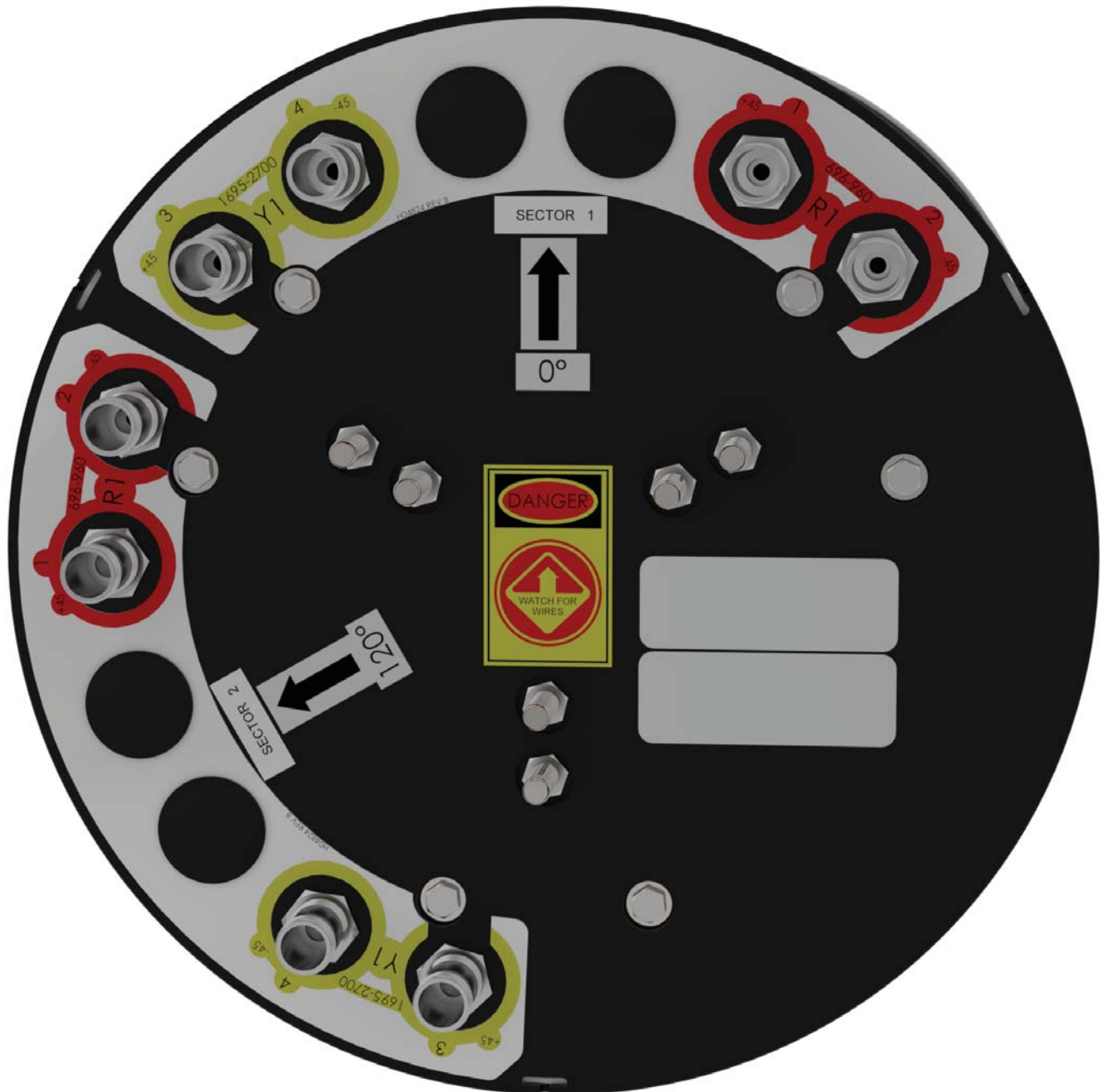
Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage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



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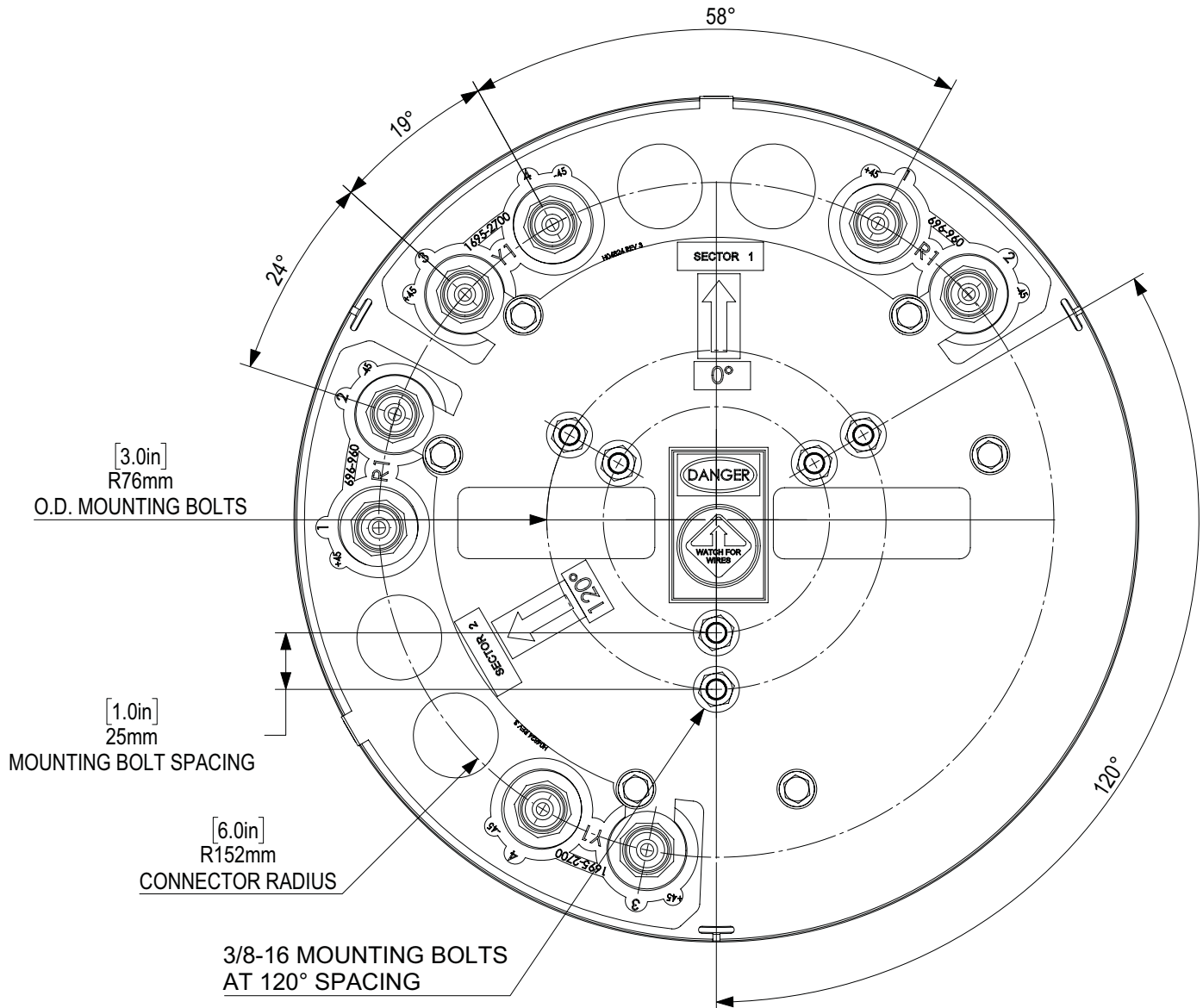
### Bottom View - Labeling



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### Bottom View - Connector Diagram



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### Ordering Options

When ordering, select the Radome Color, Degree of Electrical Downtilt for the Low (x) and Mid Band (y) and the Connector Type (z).

Radom Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band ■ R1 (x)	Mid Band ■ Y1 (y)	4.3-10 Female	7/16-DIN Female
Grey Pantone 420 C	0°	0°	CUD070X06F00s0	CUD070X06F00D0
	0°	6°	CUD070X06F06s0	CUD070X06F06D0
	5°	0°	CUD070X06F50s0	CUD070X06F50D0
	5°	6°	CUD070X06F56s0	CUD070X06F56D0
Brown Pantone 476 C	0°	0°	CUD070X06F00s0BR	CUD070X06F00D0BR
	0°	6°	CUD070X06F06s0BR	CUD070X06F06D0BR
	5°	0°	CUD070X06F50s0BR	CUD070X06F50D0BR
	5°	6°	CUD070X06F56s0BR	CUD070X06F56D0BR
Black RAL 9011	0°	0°	CUD070X06F00s0BK	CUD070X06F00D0BK
	0°	6°	CUD070X06F06s0BK	CUD070X06F06D0BK
	5°	0°	CUD070X06F50s0BK	CUD070X06F50D0BK
	5°	6°	CUD070X06F56s0BK	CUD070X06F56D0BK

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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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