

CUT360X12Fxyz1

DUAL BAND | DIPLEXED | OMNI | CANISTER ANTENNA | X-POL | FIXED TILT | 1219 MM (48.0 IN)

Features

- Diplexed, Omni configuration with 2 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 diplexed antenna has 2 connectors located at the bottom.

Low Band ■ R1 / Mid Band ■ Y1 696-960 / 1695-2700 MHz (2x) 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	360°	360°	360°	360°	360°	360°
Vertical Beamwidth	20.9° ± 1.3°	18.0° ± 1.8°	9.4° ± 0.7°	9.5° ± 0.4°	9.4° ± 0.5°	9.1° ± 2.4°
Gain (dBi)	8.6 ± 0.9	9.1 ± 0.6	12.0 ± 0.7	11.7 ± 0.7	10.9 ± 0.8	10.1 ± 2.4
Electrical Downtilt (°)	(x) 0, 6		(y) 0, 4			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 14 dB	> 11 dB	> 13 dB	> 12 dB	> 11 dB	> 11 dB
Cross Polar Isolation	20 dB		25 dB			
Interband Isolation	25 dB		25 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(1x) 500 W		(1x) 300 W			
Diplexed	Yes (Internal Diplexer)					
Number of Sectors / Sector Spacing	Omni					
Lightning Protection	Direct Ground					

Mechanical Characteristics

Antenna Dimensions (Height x Diameter)	1219 x 371 mm	48.0 x 14.6 in
Weight without Mounting Bracket Kit	16.7 kg	36.8 lbs
Antenna Volume	0.13 m ³	4.7 ft ³
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.47 m ²	5.0 ft ²
Wind Load (160 km/hr or 100 mph)	391 N	88 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

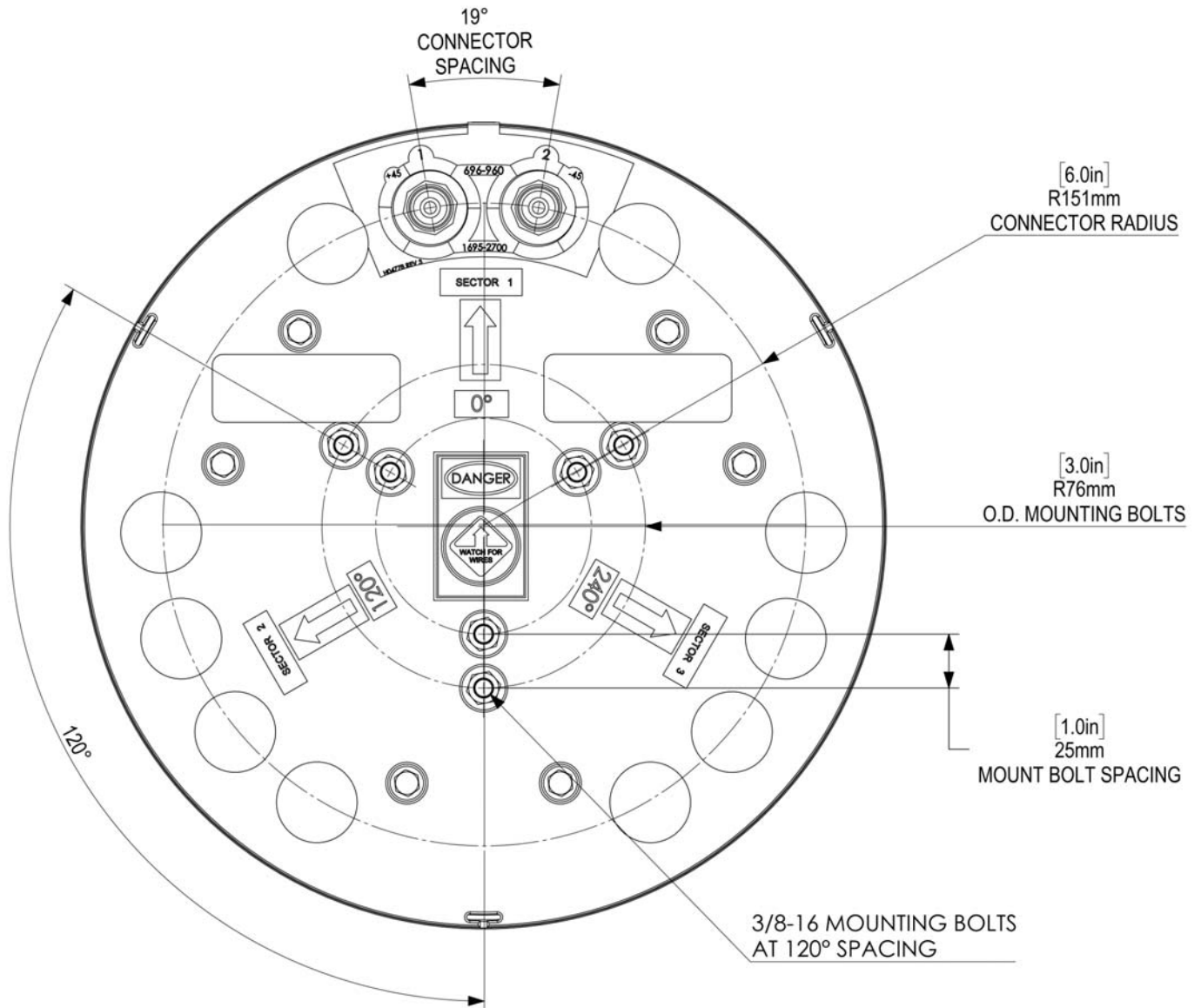


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Bottom View - Connector Diagram



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Ordering Options

When ordering, select the Radome Color, Degree of Electrical Downtilt (**xy**) for the Low and Mid Bands 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°	CUT360X12F 00s 1	CUT360X12F 00D 1
	0°	4°	CUT360X12F 04s 1	CUT360X12F 04D 1
	6°	0°	CUT360X12F 60s 1	CUT360X12F 60D 1
	6°	4°	CUT360X12F 64s 1	CUT360X12F 64D 1
Brown Pantone 476 C	0°	0°	CUT360X12F 00s1BR	CUT360X12F 00D1BR
	0°	4°	CUT360X12F 04s1BR	CUT360X12F 04D1BR
	6°	0°	CUT360X12F 60s1BR	CUT360X12F 60D1BR
	6°	4°	CUT360X12F 64s1BR	CUT360X12F 64D1BR
Black RAL 9011	0°	0°	CUT360X12F 00s1BK	CUT360X12F 00D1BK
	0°	4°	CUT360X12F 04s1BK	CUT360X12F 04D1BK
	6°	0°	CUT360X12F 60s1BK	CUT360X12F 60D1BK
	6°	4°	CUT360X12F 64s1BK	CUT360X12F 64D1BK

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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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