

## CUS070X12Fxyz1

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

### Features

- Diplexed, Single Sector 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 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	<span style="color: red;">■</span> R1		<span style="color: yellow;">■</span> Y1			
	696-960 MHz		1695-2700 MHz			
Frequency Bands (MHz)	696-806	806-960	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	±45°		±45°			
Horizontal Beamwidth	82.0° ± 1.3°	83.7° ± 8.1°	77.0° ± 13.8°	75.4° ± 11.3°	73.7° ± 8.8°	55.5° ± 6.6°
Vertical Beamwidth	21.0° ± 0.8°	17.6° ± 1.4°	8.8° ± 0.7°	8.6° ± 0.4°	8.2° ± 1.5°	6.1° ± 1.5°
Gain	12.2 ± 0.3	12.2 ± 0.6	15.6 ± 0.6	15.8 ± 0.6	15.9 ± 0.5	16.9 ± 0.5
Electrical Downtilt (°)	(x) 0, 6		(y) 0, 4			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 10 dB		> 12 dB			
Front-to-Back Ratio	> 20 dB		> 25 dB			
Isolation Between Ports	20 dB		22 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	1 Sector					
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 <sup>3</sup>	4.7 ft <sup>3</sup>
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.46 m <sup>2</sup>	4.9 ft <sup>2</sup>
Wind Load (160 km/hr or 100 mph)	383 N	86 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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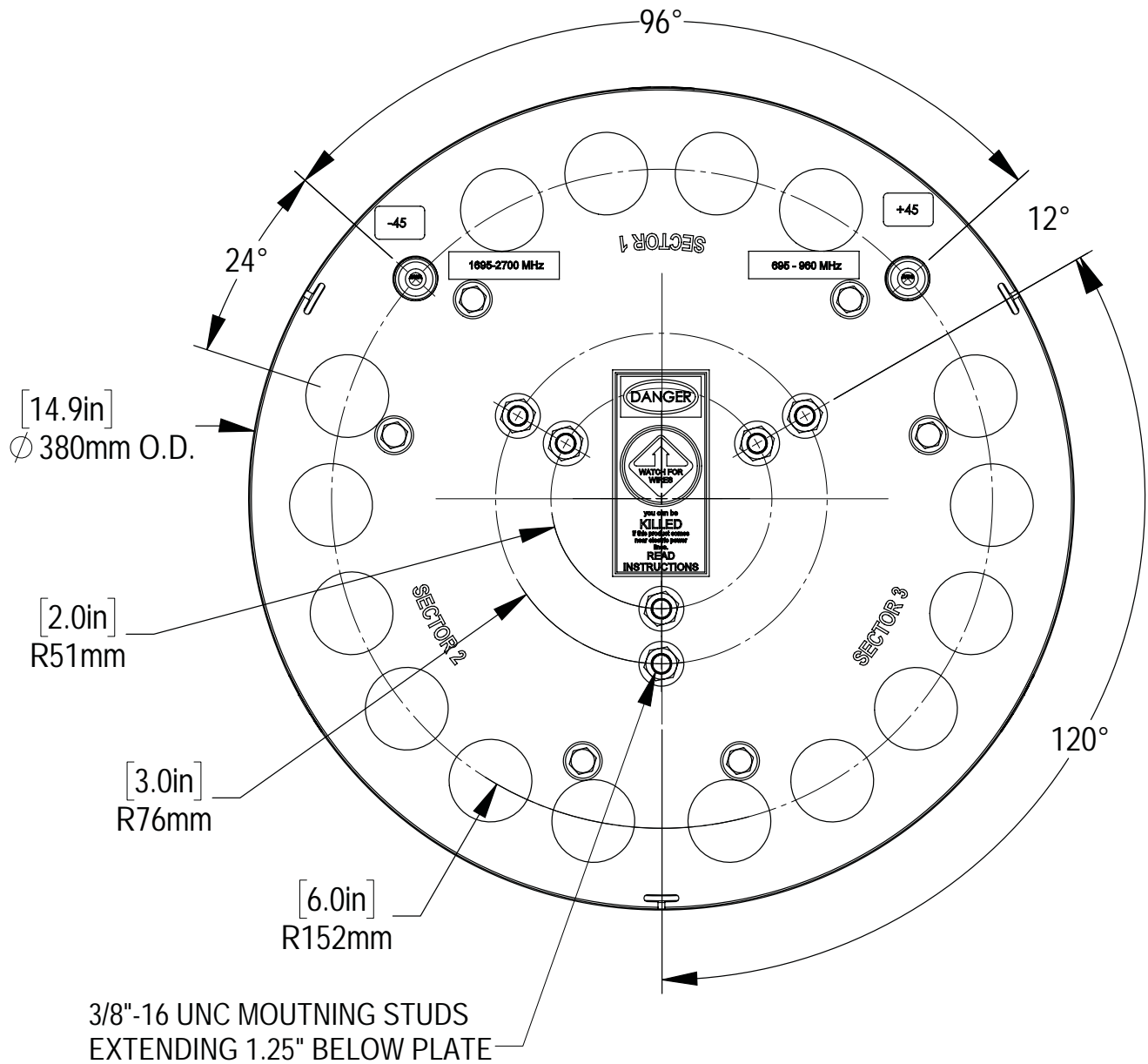
### Bottom View - Labeling



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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°	CUS070X12F00s1	CUS070X12F00D1
	0°	4°	CUS070X12F04s1	CUS070X12F04D1
	6°	0°	CUS070X12F60s1	CUS070X12F60D1
	6°	4°	CUS070X12F64s1	CUS070X12F64D1
Brown Pantone 476 C	0°	0°	CUS070X12F00s1BR	CUS070X12F00D1BR
	0°	4°	CUS070X12F04s1BR	CUS070X12F04D1BR
	6°	0°	CUS070X12F60s1BR	CUS070X12F60D1BR
	6°	4°	CUS070X12F64s1BR	CUS070X12F64D1BR
Black RAL 9011	0°	0°	CUS070X12F00s1BK	CUS070X12F00D1BK
	0°	4°	CUS070X12F04s1BK	CUS070X12F04D1BK
	6°	0°	CUS070X12F60s1BK	CUS070X12F60D1BK
	6°	4°	CUS070X12F64s1BK	CUS070X12F64D1BK

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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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