

# CUS070X06Fxyz1

DUAL BAND | DIPLEXED | SINGLE SECTOR | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 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	■ 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	8.7 dBi	9.7 dBi	12.7 dBi	13.2 dBi	13.7 dBi	14.0 dBi
Electrical Downtilt (°)	(x) 0, 5		(y) 0, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 15 dB		> 15 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	(1x) 500 W		(1x) 300 W			
Diplexed	Yes (Internal Diplexer)					
Number of Sectors, Sector Spacing and/or Pattern Shape	1 Sector					
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	9.4 kg	20.8 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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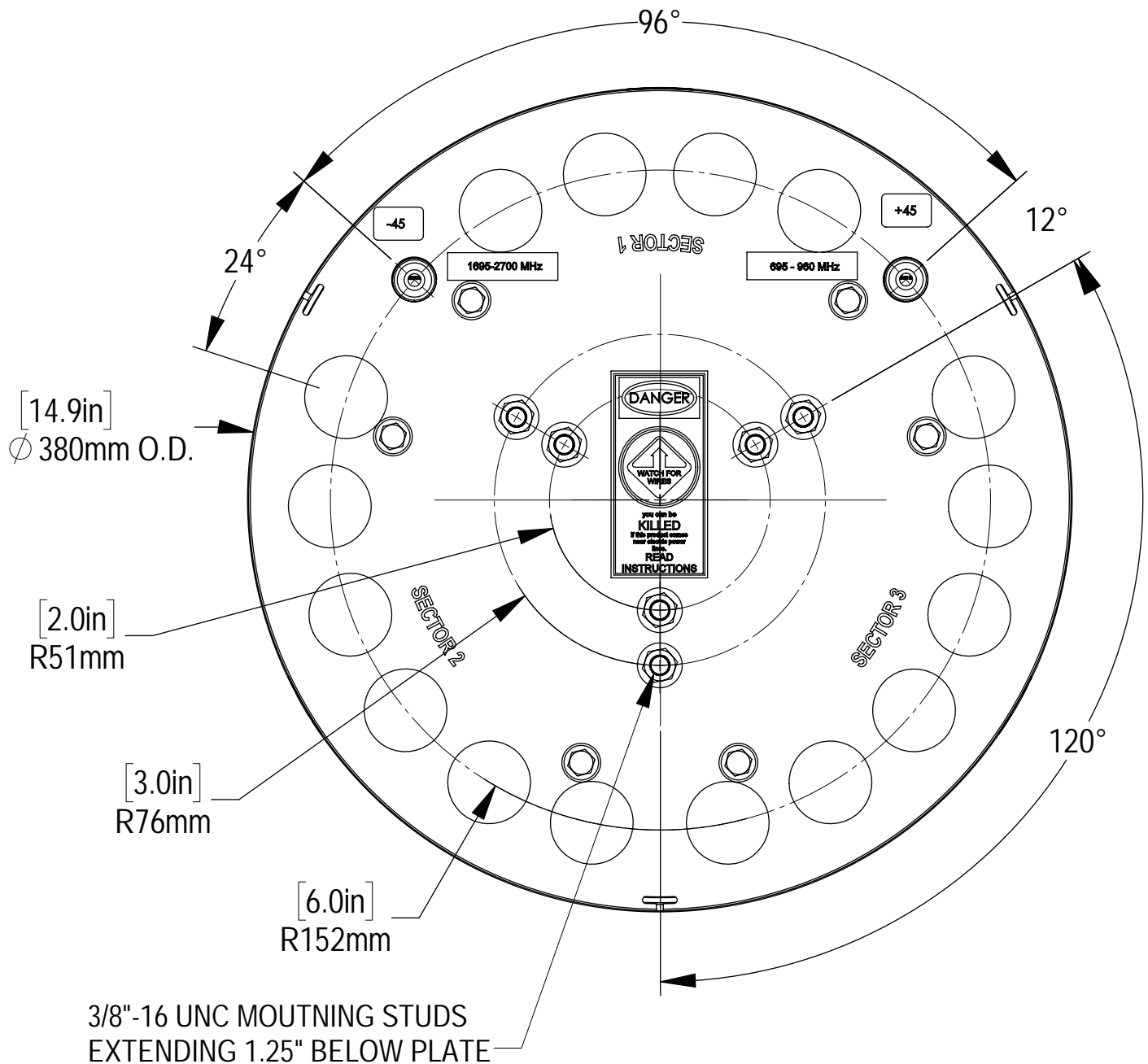
### Bottom View - Labeling



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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°	CUS070X06F00s1	CUS070X06F00D1
	0°	6°	CUS070X06F06s1	CUS070X06F06D1
	5°	0°	CUS070X06F50s1	CUS070X06F50D1
	5°	6°	CUS070X06F56s1	CUS070X06F56D1
Brown Pantone 476 C	0°	0°	CUS070X06F00s1BR	CUS070X06F00D1BR
	0°	6°	CUS070X06F06s1BR	CUS070X06F06D1BR
	5°	0°	CUS070X06F50s1BR	CUS070X06F50D1BR
	5°	6°	CUS070X06F56s1BR	CUS070X06F56D1BR
Black RAL 9011	0°	0°	CUS070X06F00s1BK	CUS070X06F00D1BK
	0°	6°	CUS070X06F06s1BK	CUS070X06F06D1BK
	5°	0°	CUS070X06F50s1BK	CUS070X06F50D1BK
	5°	6°	CUS070X06F56s1BK	CUS070X06F56D1BK

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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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