

CUD120X06Fxyz0

DUAL BAND | BROAD-BEAM 120°, HEART-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 610 MM (24.0 IN)

Features

- Broad-Beam 120°, Heart-Shape configuration with 4 connector
- 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.

Low Band	■ R1	696-960 MHz	(2x) 4.3-10 or 7/16-DIN Female
Mid Band	■ Y1	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	1920-2180	2200-2700
Polarization	±45°		±45°			
Horizontal Beamwidth	130°	120°	130°	125°	120°	115°
Vertical Beamwidth	45°	36°	19°	18°	16°	21°
Gain	6.5 dBi	7.1 dBi	10.9 dBi	11.1 dBi	11.3 dBi	11.6 dBi
Electrical Downtilt (°)	(x) 0, 5		(y) 0, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	N/A		> 15 dB			
Front-to-Back Ratio	> 11 dB		> 13 dB			
Isolation Between Ports	20 dB		28 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(2x) 500 W		(2x) 300 W			
Diplexed	No					
Number of Sectors, Sector Spacing and/or Pattern Shape	1 Sector, Hear-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	13 kg	28 lbs
Antenna Volume	0.07 m³	2.3 ft³
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.22 m²	2.4 ft²
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

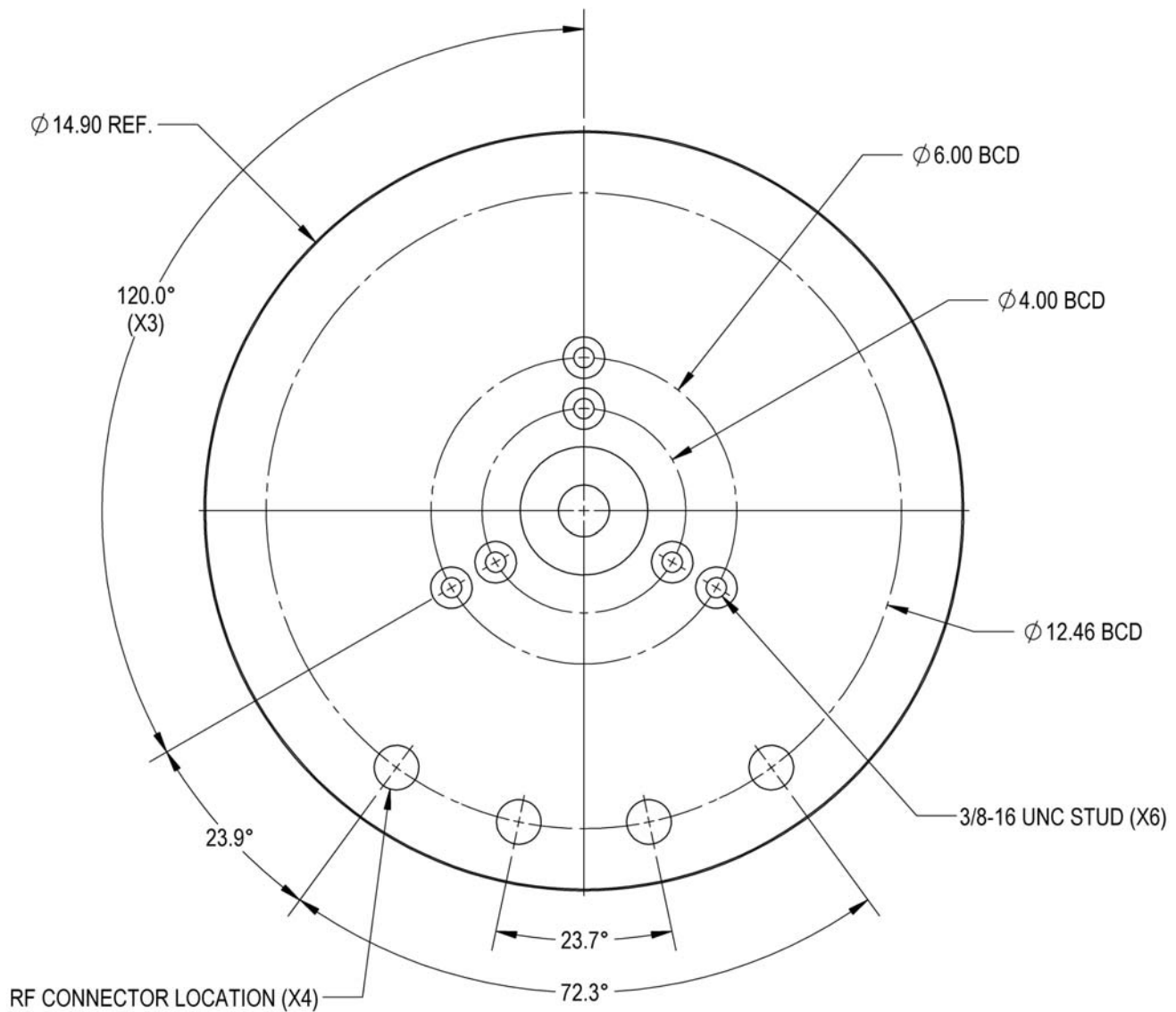
**NO
IMAGE
AVAILABLE**

**COMING
SOON**

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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°	CUD120X06F00s0	CUD120X06F00D0
	0°	6°	CUD120X06F06s0	CUD120X06F06D0
	5°	0°	CUD120X06F50s0	CUD120X06F50D0
	5°	6°	CUD120X06F56s0	CUD120X06F56D0
Brown Pantone 476 C	0°	0°	CUD120X06F00s0BR	CUD120X06F00D0BR
	0°	6°	CUD120X06F06s0BR	CUD120X06F06D0BR
	5°	0°	CUD120X06F50s0BR	CUD120X06F50D0BR
	5°	6°	CUD120X06F56s0BR	CUD120X06F56D0BR
Black RAL 9011	0°	0°	CUD120X06F00s0BK	CUD120X06F00D0BK
	0°	6°	CUD120X06F06s0BK	CUD120X06F06D0BK
	5°	0°	CUD120X06F50s0BK	CUD120X06F50D0BK
	5°	6°	CUD120X06F56s0BK	CUD120X06F56D0BK

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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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