

CUUD120X12Fxyz0

TRI BAND | BROAD-BEAM 120°, HEART-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 1219 MM (48.0 IN)

Features

- Broad-Beam 120°, Heart-Shape configuration with 6 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 6 connectors located at the bottom.

Low Band	■ R1	696-960 MHz	(2x) 4.3-10 or 7/16-DIN Female
Mid Band #1	■ Y1	1695-2700 MHz	(2x) 4.3-10 or 7/16-DIN Female
Mid Band #2	■ Y2	1695-2700 MHz	(2x) 4.3-10 or 7/16-DIN Female

Electrical Characteristics	■ R1		■ Y1 ■ Y2			
	696-960 MHz		(2x) 1695-2700 MHz			
Frequency Bands (MHz)	696-806	806-960	1695-1880	1850-1990	1920-2180	2200-2700
Polarization	±45°		±45°			
Horizontal Beamwidth (°)	86.3 ± 43.9	81.2 ± 44.8	96.5 ± 94.9	94.1 ± 22.5	94.6 ± 20.4	82.1 ± 26.6
Vertical Beamwidth (°)	20.7 ± 1.0	18.3 ± 1.7	8.8 ± 0.7	8.0 ± 0.4	7.5 ± 0.5	6.4 ± 0.6
Gain (dBi)	9.1 ± 0.4	9.5 ± 0.8	12.7 ± 1.1	12.8 ± 0.9	13.0 ± 0.7	13.6 ± 0.5
Electrical Downtilt (°)	(x) 0, 6, 12		(y) 0, 4			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 10 dB		> 12 dB			
Front-to-Back Ratio	> 25 dB		> 25 dB			
Isolation Between Ports	20 dB		22 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(2x) 500 W		(4x) 300 W			
Diplexed	No					
Number of Sectors, Sector Spacing and/or Pattern Shape	1 Sector, Heart-Shape					
Lightning Protection	Direct Ground					

Mechanical Characteristics

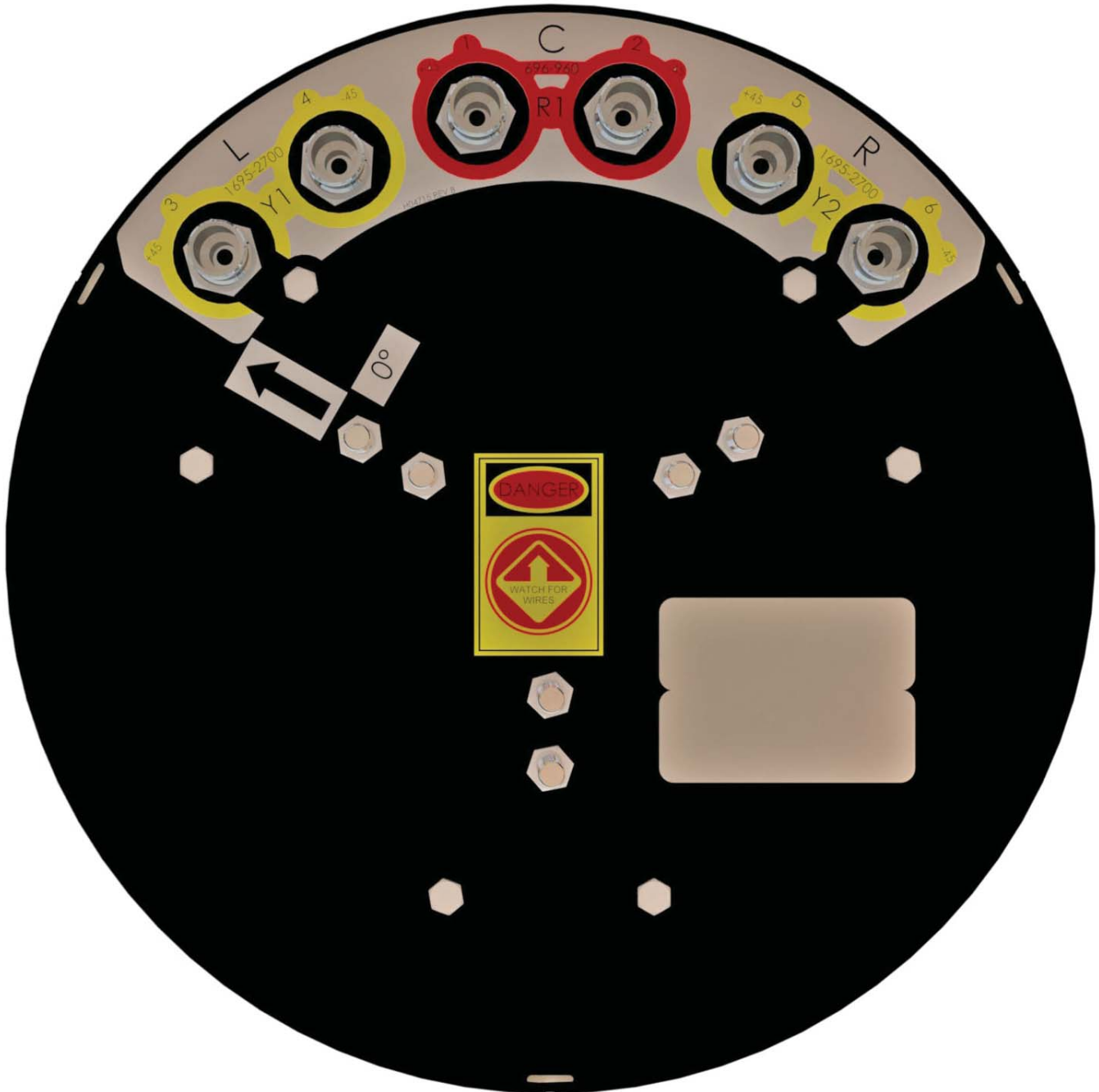
Antenna Dimensions (Height x Diameter)	1219 x 371 mm	48.0 x 14.6 in
Weight without Mounting Bracket Kit	15.1 kg	33.3 lbs
Antenna Volume	0.13 m ³	4.7 ft ³
Survival Wind Speed	241 km/hr	150 mph
Wind Area	0.46 m ²	4.9 ft ²
Wind Load (160 km/hr or 100 mph)	383 N	86 lbf

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 - Connector Diagram

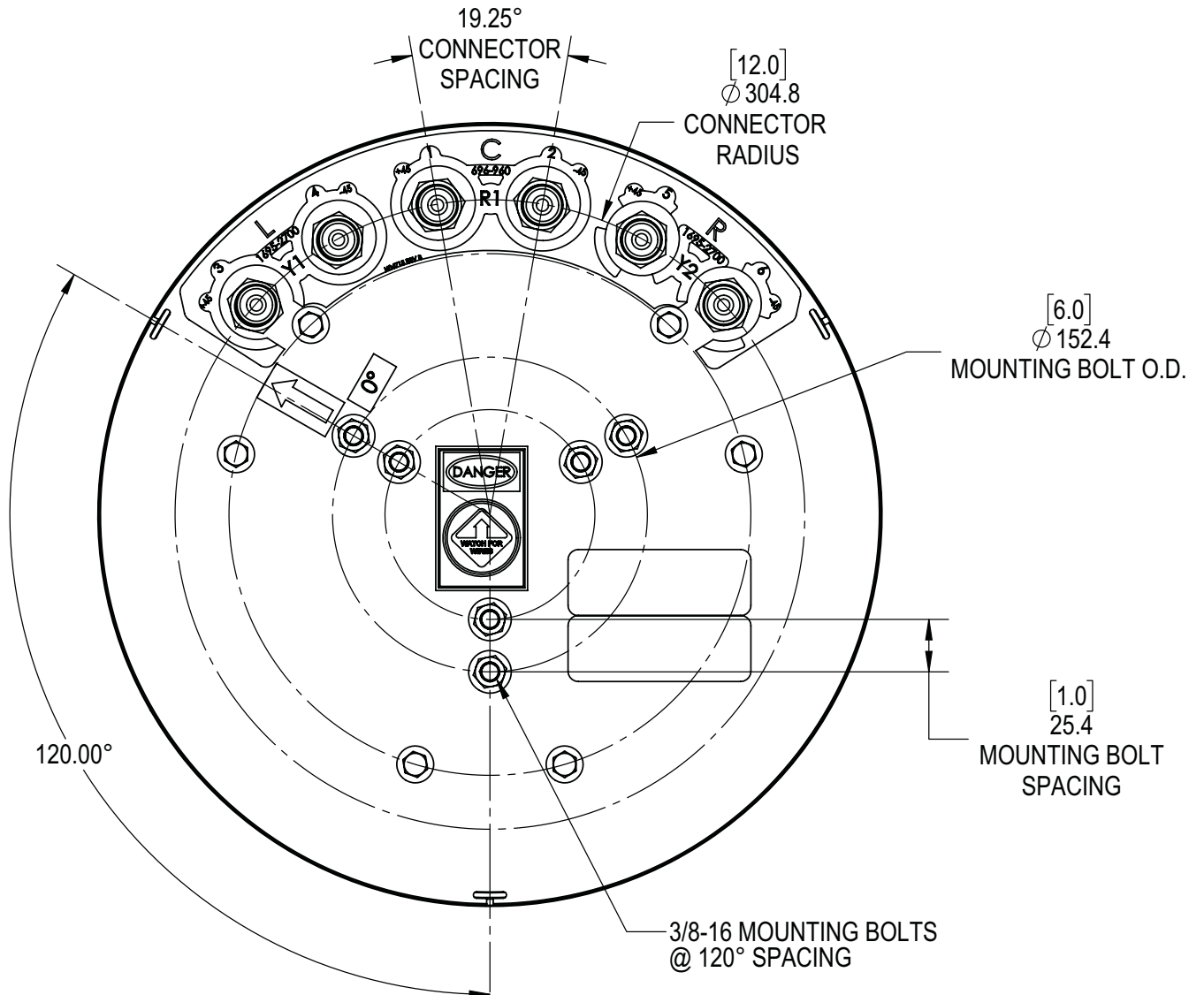


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Ordering Options

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

Radome Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band ■ R1 (x)	Mid Band ■ Y1 ■ Y2 (y)	4.3-10 Female	7/16-DIN Female
Grey Pantone 420 C	0°	0°	CUUD120X12F00s0	CUUD120X12F00D0
	0°	4°	CUUD120X12F04s0	CUUD120X12F04D0
	6°	0°	CUUD120X12F60s0	CUUD120X12F60D0
	6°	4°	CUUD120X12F64s0	CUUD120X12F64D0
	12°	0°	CUUD120X12F120s0	CUUD120X12F120D0
	12°	4°	CUUD120X12F124s0	CUUD120X12F124D0
Brown Pantone 476 C	0°	0°	CUUD120X12F00s0BR	CUUD120X12F00D0BR
	0°	4°	CUUD120X12F04s0BR	CUUD120X12F04D0BR
	6°	0°	CUUD120X12F60s0BR	CUUD120X12F60D0BR
	6°	4°	CUUD120X12F64s0BR	CUUD120X12F64D0BR
	12°	0°	CUUD120X12F120s0BR	CUUD120X12F120D0BR
	12°	4°	CUUD120X12F124s0BR	CUUD120X12F124D0BR
Black RAL 9011	0°	0°	CUUD120X12F00s0BK	CUUD120X12F00D0BK
	0°	4°	CUUD120X12F04s0BK	CUUD120X12F04D0BK
	6°	0°	CUUD120X12F60s0BK	CUUD120X12F60D0BK
	6°	4°	CUUD120X12F64s0BK	CUUD120X12F64D0BK
	12°	0°	CUUD120X12F120s0BK	CUUD120X12F120D0BK
	12°	4°	CUUD120X12F124s0BK	CUUD120X12F124D0BK

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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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