

CUUT070X12Fxyz0

TRI BAND | 3-SECTOR, CLOVER-SHAPE | CANISTER ANTENNA | X-POL | FIXED TILT | 1219 MM (48.0 IN)



Features

- 3-Sector, Clover-Shape configuration with 18 connectors
- Ideal for Small Cell / DAS applications
- Available with 4.3/10 or 7/16-DIN connectors
- Four unique mounting options
- Available in gray and brown

Connector Description

The antenna has 18 connectors located at the bottom.

Low Band	■ R1	696-960 MHz	(6x) 4.3/10 or 7/16-DIN Female
High Band #1	■ Y1	1695-2700 MHz	(6x) 4.3/10 or 7/16-DIN Female
High Band #2	■ Y2	1695-2700 MHz	(6x) 4.3/10 or 7/16-DIN Female

Electrical Characteristics	Low Band ■ R1		High Bands ■ Y1 and ■ Y2			
Frequency Bands (MHz)	696-960 MHz		(2x) 1695-2700 MHz			
	696-806	806-960	1695-1880	1850-1990	1920-2180	2200-2700
Polarization	±45°		(2x) ±45°			
Horizontal Beamwidth	70°	65°	70°	68°	65°	63°
Vertical Beamwidth	20°	15°	7.5°	7.0°	6.5°	6.0°
Gain	12.0 dBi	13.0 dBi	16.0 dBi	16.5 dBi	17.0 dBi	17.3 dBi
Electrical Downtilt (°)	(x) 0, 5, 8		(y) 0, 3, 6			
Impedance	50Ω		50Ω			
VSWR	≤ 1.5:1		≤ 1.5:1			
Upper Sidelobe Suppression	> 15 dB		> 15 dB			
Front-to-Back Ratio	> 25 dB		> 25 dB			
Isolation Between Ports	20 dB		25 dB			
IM3 (2x20W carrier)	< -153 dBc		< -153 dBc			
Input Power	(6x) 500 W		(12x) 300 W			
Diplexed	No					
Number of Sectors, Sector Spacing and/or Pattern Shape	3 Sectors, 120° Spacing, Clover-Shape					
Lightning Protection	Direct Ground					

Mechanical Characteristics

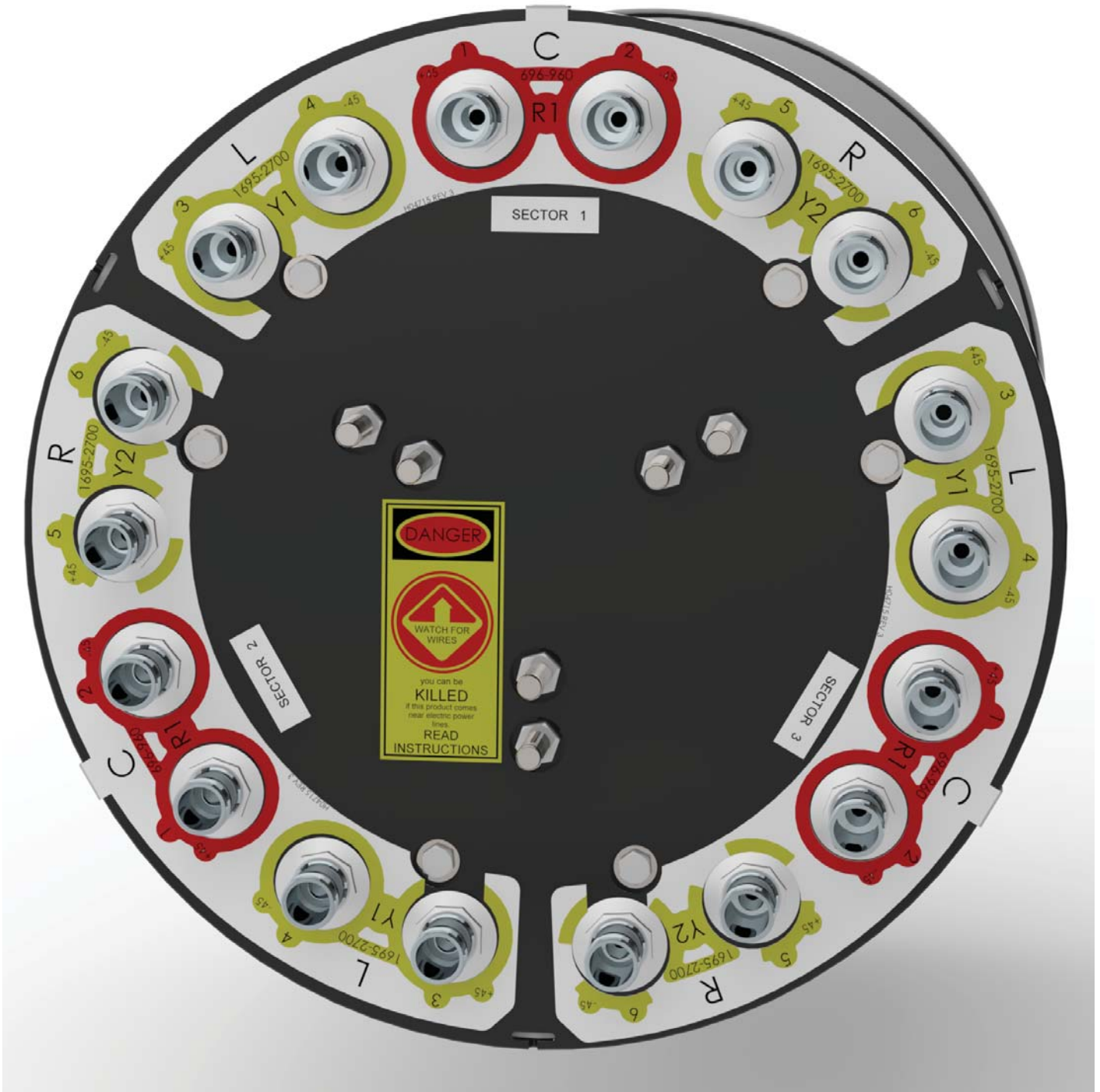
Antenna Dimensions (Height x Diameter)	1219 x 371 mm	48.0 x 14.6 in
Weight without Mounting Bracket Kit	19.1 kg	42.0 lbs
Antenna Volume	0.13 m ³	4.7 ft ³
Survival Wind Speed	200 km/hr	125 mph
Wind Area	0.46 m ²	4.9 ft ²
Wind Load (160 km/hr or 100 mph)	383 N	86 lbf

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Bottom View - Labeling

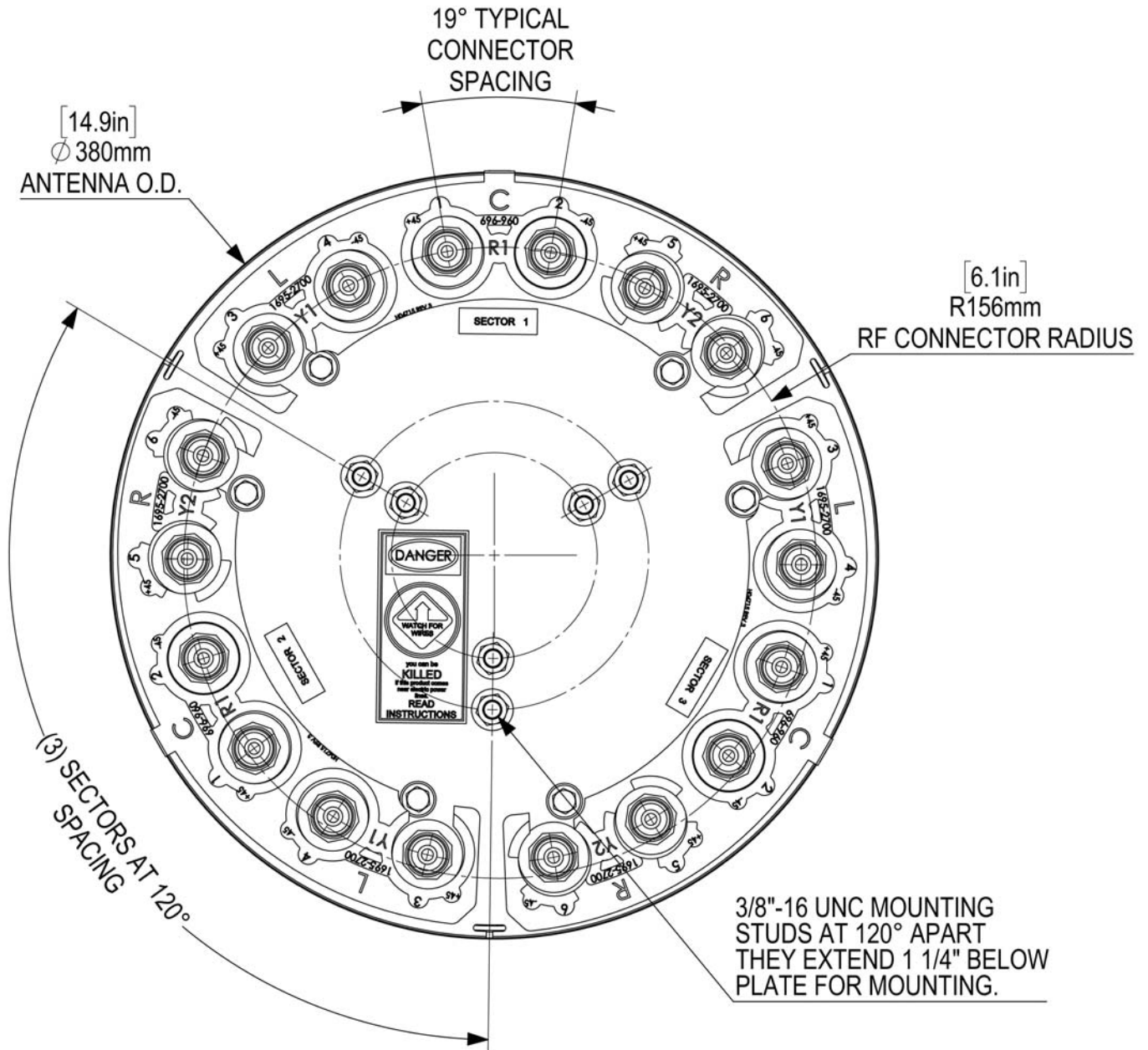


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Bottom View - Connector Diagram

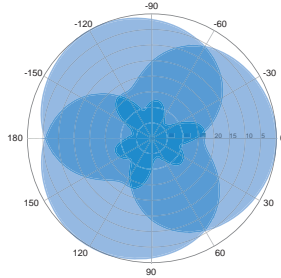


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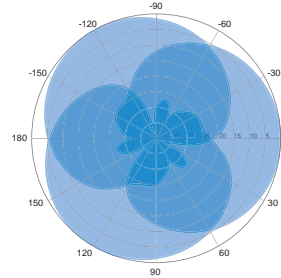
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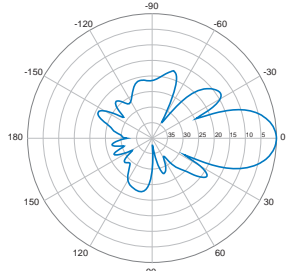
696-960 MHz



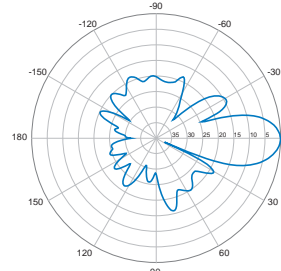
Horizontal | 750 MHz



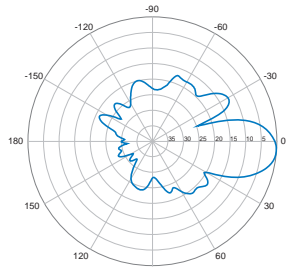
Horizontal | 850 MHz



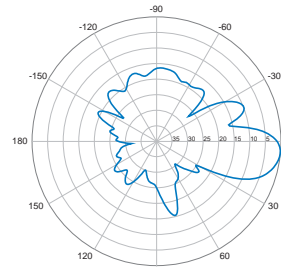
0° | Vertical | 750 MHz



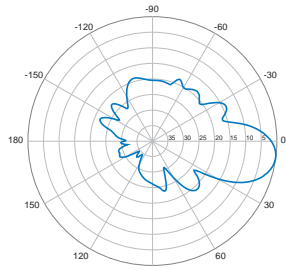
0° | Vertical | 850 MHz



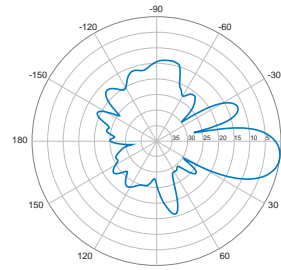
5° | Vertical | 750 MHz



5° | Vertical | 850 MHz



8° | Vertical | 750 MHz



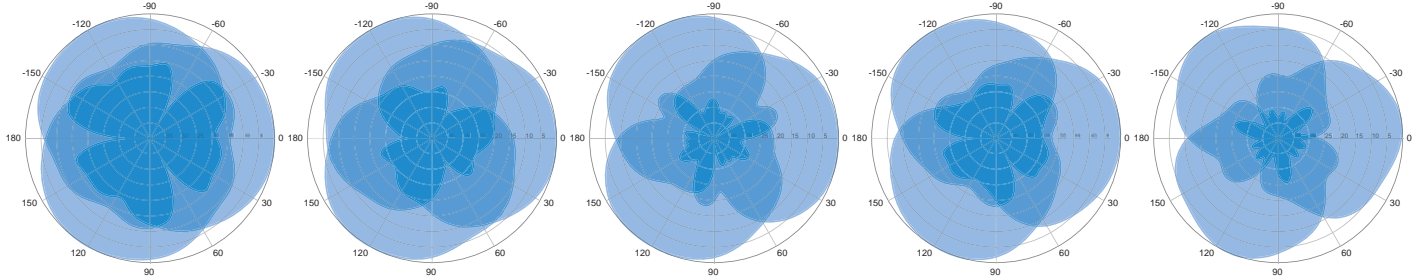
8° | Vertical | 850 MHz

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1695-2700 MHz



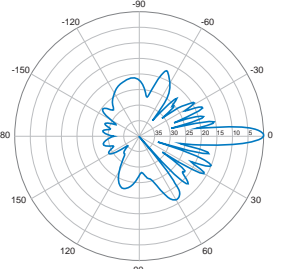
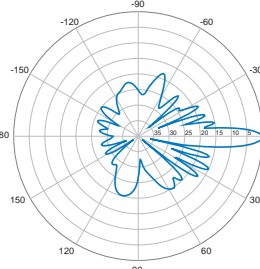
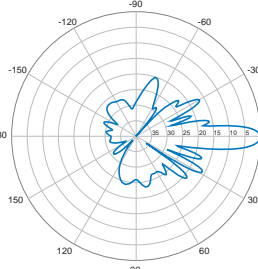
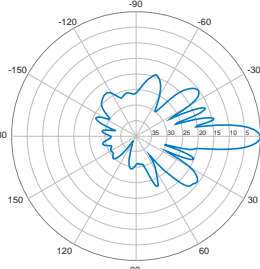
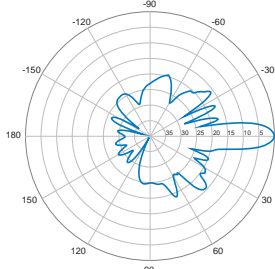
Horizontal | 1800 MHz

Horizontal | 1900 MHz

Horizontal | 2100 MHz

Horizontal | 2400 MHz

Horizontal | 2600 MHz



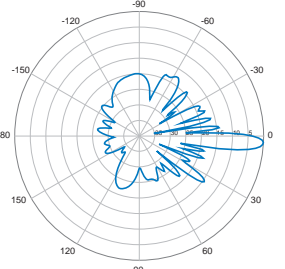
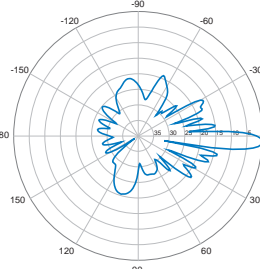
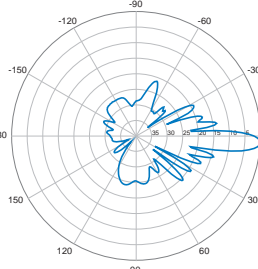
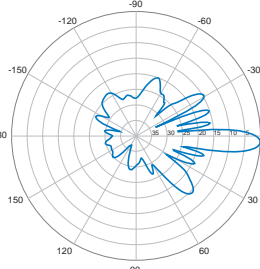
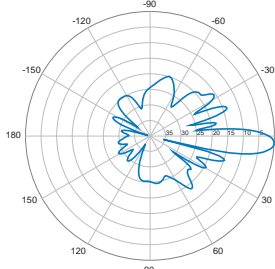
0° | Vertical | 1800 MHz

0° | Vertical | 1900 MHz

0° | Vertical | 2100 MHz

0° | Vertical | 2400 MHz

0° | Vertical | 2600 MHz



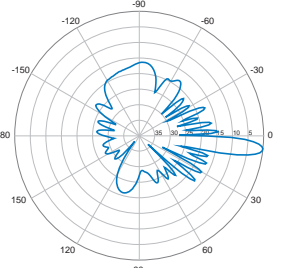
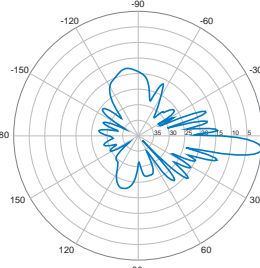
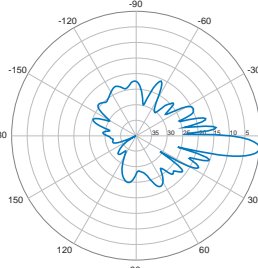
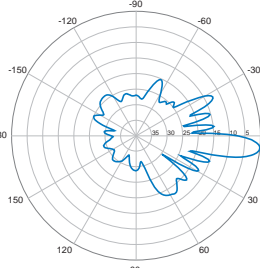
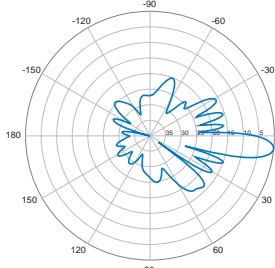
3° | Vertical | 1800 MHz

3° | Vertical | 1900 MHz

3° | Vertical | 2100 MHz

3° | Vertical | 2400 MHz

3° | Vertical | 2600 MHz



6° | Vertical | 1800 MHz

6° | Vertical | 1900 MHz

6° | Vertical | 2100 MHz

6° | Vertical | 2400 MHz

6° | Vertical | 2600 MHz

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Ordering Options

When ordering, select the Paint Color, Degree of Electrical Downtilt (xy) for the Low and High Bands and the Connector Type (z).

Paint Color	Electrical Downtilt Degree		Connector Type (z)	
	Low Band (x)	High Band (y)	4.3/10 Female	7/16-DIN Female
Painted Gray	0°	0°	CUUT070X12F00s0	CUUT070X12F00D0
	0°	3°	CUUT070X12F03s0	CUUT070X12F03D0
	0°	6°	CUUT070X12F06s0	CUUT070X12F06D0
	5°	0°	CUUT070X12F50s0	CUUT070X12F50D0
	5°	3°	CUUT070X12F53s0	CUUT070X12F53D0
	5°	6°	CUUT070X12F56s0	CUUT070X12F56D0
	8°	0°	CUUT070X12F80s0	CUUT070X12F80D0
	8°	3°	CUUT070X12F83s0	CUUT070X12F83D0
	8°	6°	CUUT070X12F86s0	CUUT070X12F86D0
Painted Brown	0°	0°	CUUT070X12F00s0BR	CUUT070X12F00D0BR
	0°	3°	CUUT070X12F03s0BR	CUUT070X12F03D0BR
	0°	6°	CUUT070X12F06s0BR	CUUT070X12F06D0BR
	5°	0°	CUUT070X12F50s0BR	CUUT070X12F50D0BR
	5°	3°	CUUT070X12F53s0BR	CUUT070X12F53D0BR
	5°	6°	CUUT070X12F56s0BR	CUUT070X12F56D0BR
	8°	0°	CUUT070X12F80s0BR	CUUT070X12F80D0BR
	8°	3°	CUUT070X12F83s0BR	CUUT070X12F83D0BR
	8°	6°	CUUT070X12F86s0BR	CUUT070X12F86D0BR

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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