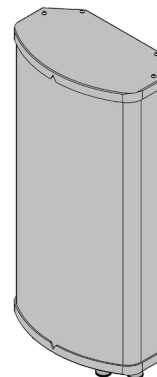


CUX063X06Fxyz0

Features

- Dual band, fixed tilt panel antenna, 4 connectors
- Ultra-wide band performance
- Ideal solution for Small Cell applications



PRODUCT OVERVIEW	Frequency Range (MHz)	LOW BAND	MID BAND
		(1x) 696-960	(1x) 1695-2700
	Array	■ R1	■ Y1
	Connector	2 PORTS	2 PORTS
	Polarization	XPOL	XPOL
	Azimuth Beamwidth (avg)	70°	70°
	Electrical Downtilt	0°	0°
	Total Connector Count	4 PORTS	
	Connector Type	4.3-10 FEMALE or 7/16-DIN FEMALE	
	Dimensions	616 x 307 x 177 mm (24.3 x 12.1 x 7.0)	

ELECTRICAL SPECIFICATIONS Low Band

■ R1

Frequency Range	MHz	(1x) 696-960	
Frequency Sub-Range	MHz	696-806	806-960
Polarization	---	(1x) ±45°	
Gain	dBi	10.5	11.0
Azimuth Beamwidth (3 dB)	degrees	75°	70°
Elevation Beamwidth (3 dB)	degrees	42°	40°
Electrical Downtilt	degrees	(x) 0°	
Impedance	Ohms	50Ω	
VSWR	---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153	
Front-to-Back Ratio	dB	> 20	
Isolation Between Ports	dB	> 25	
Input Power	Watts	500W	

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.

CUX063X06Fxyz0

ELECTRICAL SPECIFICATIONS Mid Band

Y1

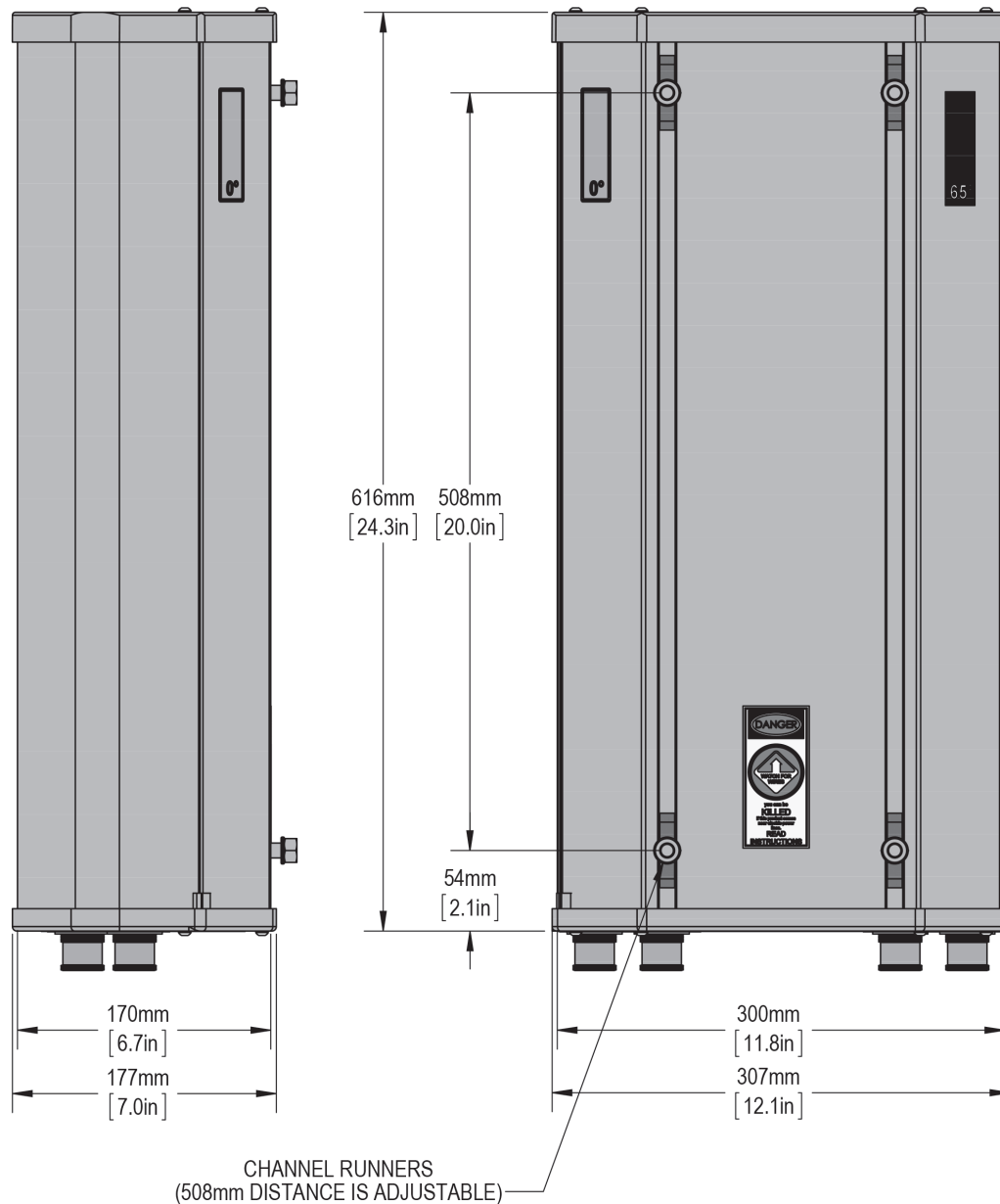
Frequency Range	MHz	(1x) 1695-2700			
Frequency Sub-Range	MHz	1695-1880	1850-1990	1920-2200	2300-2700
Polarization	---	(1x) ±45°			
Gain	dBi	13.5	14.0	14.0	14.0
Azimuth Beamwidth (3 dB)	degrees	65°	70°	75°	75°
Elevation Beamwidth (3 dB)	degrees	18°	16°	14°	14°
Electrical Downtilt	degrees	(y) 0°			
Impedance	Ohms	50Ω			
VSWR	---	≤ 1.5:1			
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153			
Front-to-Back Ratio	dB	> 25			
Isolation Between Ports	dB	> 25			
Input Power	Watts	300W			

MECHANICAL SPECIFICATIONS

Antenna	Length	mm (in)	616 (24.3)
	Width	mm (in)	307 (12.1)
	Depth	mm (in)	177 (7.0)
Net Weight - Antenna Only		kg (lbs)	5.5 (12)
Windload	Calculation	km/h (mph)	160 (100)
	Front	N (lbf)	219 (49)
	Side	N (lbf)	129 (29)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area	Front	m² (ft²)	0.18 (1.9)
	Side	m² (ft²)	0.11 (1.1)
Connector	Type	---	4.3-10 Female or 7/16-DIN Female
	Quantity	---	4
	Position	---	Bottom
Radome Color		---	Grey
Operating Temperature		degrees	-40 to +60 C (-40 to +140 F)
Lightning Protection (Grounding Type)		---	Direct Ground

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.

CUX063X06Fxyz0



INSTALLATION

Please read all installation notes before installing this product.



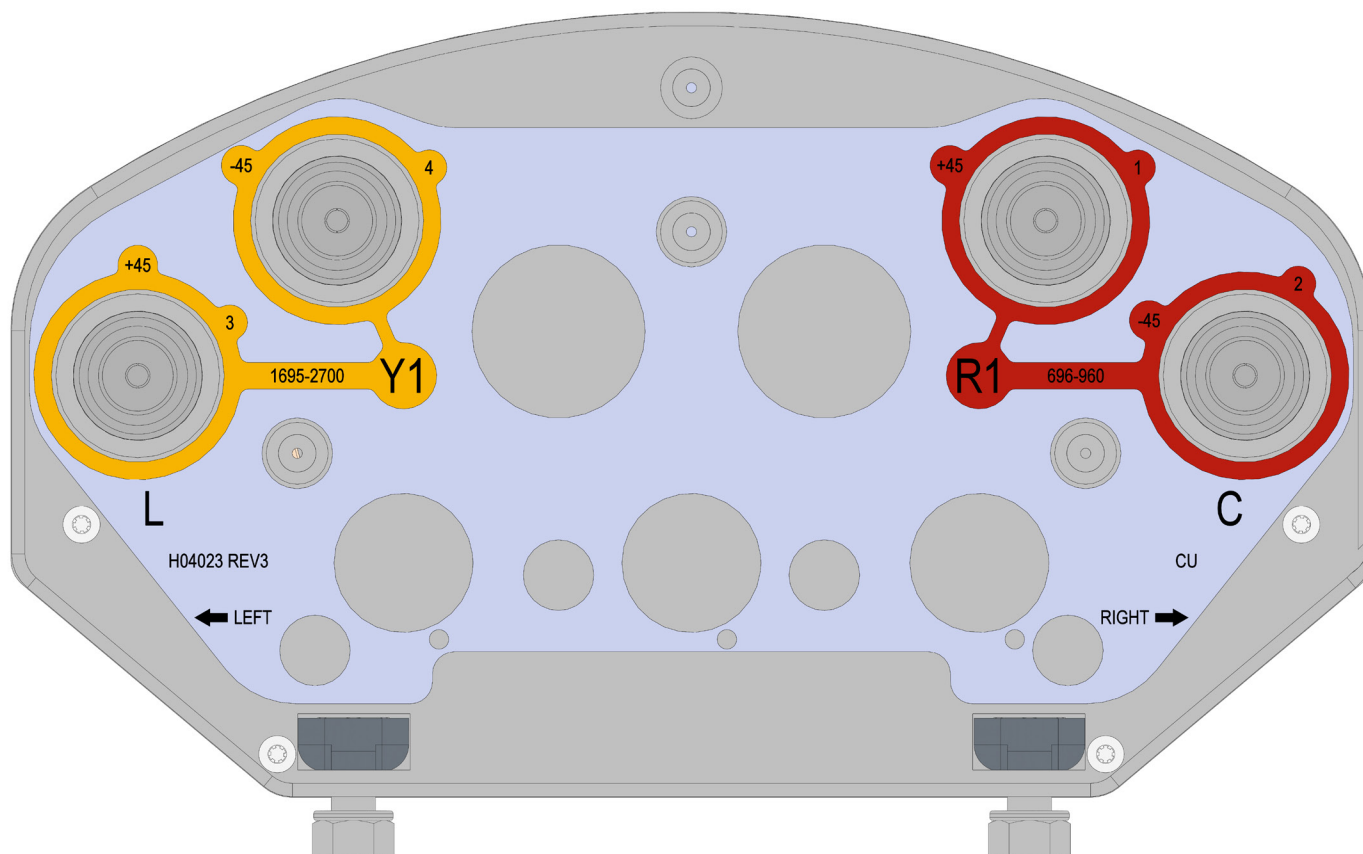
Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.

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.

CUX063X06Fxyz0

BOTTOM VIEW - LABELING



ARRAY LAYOUT Topology

FREQUENCY		ARRAY	CONNECTOR	CONNECTOR TYPE
LOW BAND	696-960	■ R1	1-2	(2x) 4.3-10 Female or 7/16-DIN Female
MID BAND	1695-2700	■ Y1	3-4	(2x) 4.3-10 Female or 7/16-DIN Female

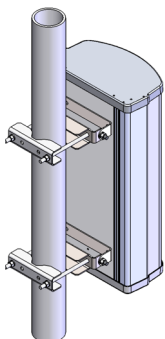


The illustration is not shown to scale.

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.

CUX063X06Fxyz0

MOUNTING KITS Select from the following mounting options when ordering.

MODEL NUMBER	DESCRIPTION	FITS PIPE DIAMETER	WEIGHT
MKS09P01	 <p>2-POINT MOUNTING BRACKET KIT <i>(Included with CUX063X06Fxyz0-P)</i></p>	50-115 mm (2.0-4.5 in)	2.9 kg (6 lbs)
MKS09T01	 <p>2-POINT, SCISSOR TILT, MOUNTING & DOWNTILT BRACKET KIT <i>(Included with CUX063X06Fxyz0-T)</i></p>	50-115 mm (2.0-4.5 in)	4.5 kg (10 lbs)
11100010	 <p>CONTINUOUS ADJUSTMENT "STADIUM" MOUNTING BRACKET KIT - WALL OR POLE MOUNT <i>(Included with CUX063X06Fxyz0-S)</i></p> <p><i>Allows continuous adjustment of the azimuth and elevation; Straps for Pole Mounting are NOT included.</i></p>	50-203 mm (2.0-8.0 in)	2.4 kg (5.4 lbs)



The antennas shown in the mounting kit illustrations above are generic representations and may not resemble the antenna described within this data sheet.

CUX063X06Fxyz0

NUMBER OF BANDS & OPERATING FREQUENCY		PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA-TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	ORDERING OPTION
C	U	X	063	X	06	F	xy	z	0	-P -S -T
(1x) 696-960	(1x) 1695-2700	Standard Panel Antenna	~63°	XPOL	0.6 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.	The letter “z” is a placeholder for the connector type. s = 4.3-10 Connector D = 7/16-DIN Connector	Original Variation	To order the antenna and mounting kit together as one line item, add a -P for the 2-POINT MOUNTING BRACKET KIT (MKS09P01); add a -S for a CONTINUOUS ADJUSTMENT “STADIUM” MOUNTING BRACKET KIT - WALL OR POLE MOUNT (11100010); or add a -T for the 2-POINT, SCISSOR TILT, MOUNTING & DOWNTILT BRACKET KIT (MKS09T01) to the end of the model number. If -P, -S or -T is not added, the bracket kit can be added as a separate line item, or the antenna shipped without a bracket. Refer to the ordering options on the following page for further detail.

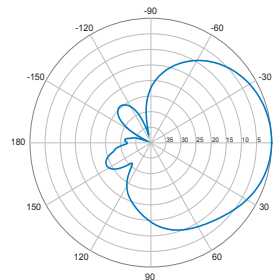
CUX063X06Fxyz0

ORDERING OPTIONS Select from the following ordering options

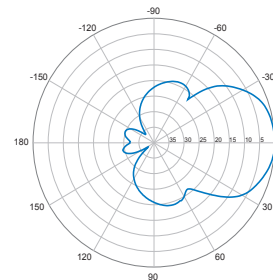
SELECT MOUNTING KIT	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND		SELECT CONNECTOR TYPE	ORDER MODEL NUMBER
	LOW BAND	MID BAND		
ANTENNA ONLY - NO MOUNTING KIT	0°	0°	4.3-10 Female	CUX063X06F00s0
			7/16-DIN Female	CUX063X06F00D0
ANTENNA WITH MKS09P01 MOUNTING KIT 2-Point Mounting Bracket Kit	0°	0°	4.3-10 Female	CUX063X06F00s0-P
			7/16-DIN Female	CUX063X06F00D0-P
ANTENNA WITH 11100010 MOUNTING KIT Continuous Adjustment "Stadium" Mounting Bracket Kit - Wall or Pole Mount	0°	0°	4.3-10 Female	CUX063X06F00s0-S
			7/16-DIN Female	CUX063X06F00D0-S
ANTENNA WITH MKS09T01 MOUNTING KIT 2-Point, Scissor Tilt, Mounting & Downtilt Bracket Kit	0°	0°	4.3-10 Female	CUX063X06F00s0-T
			7/16-DIN Female	CUX063X06F00D0-T

CUX063X06Fxyz0

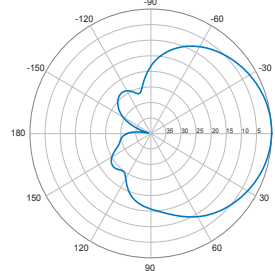
■ R1, 0° TILT



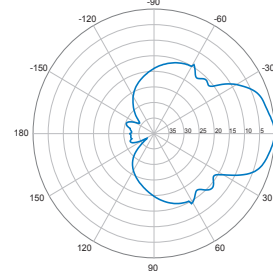
Azimuth | 750 MHz



Elevation | 750 MHz

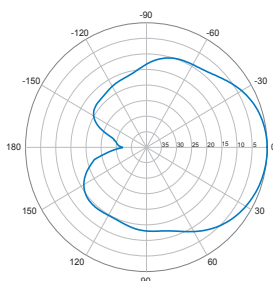


Azimuth | 850 MHz

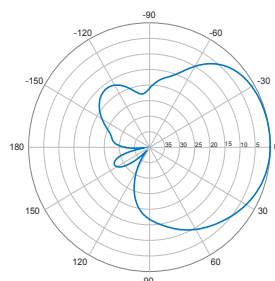


Elevation | 850 MHz

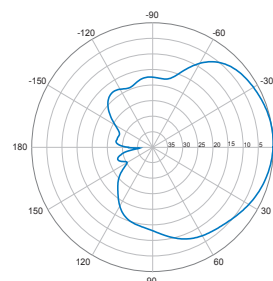
■ Y1, 0° TILT



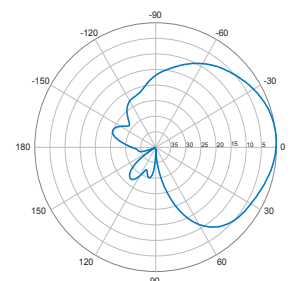
Azimuth | 1800 MHz



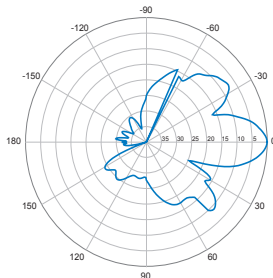
Azimuth | 1900 MHz



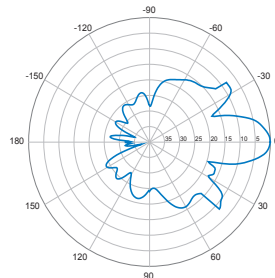
Azimuth | 2100 MHz



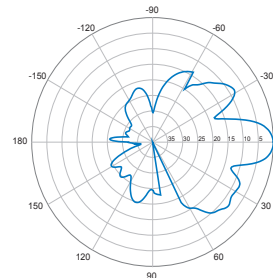
Azimuth | 2600 MHz



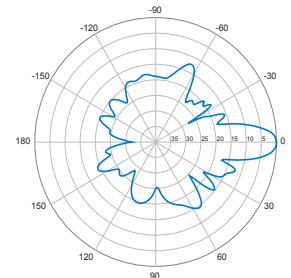
Elevation | 1800 MHz



Elevation | 1900 MHz



Elevation | 2100 MHz



Elevation | 2600 MHz