

(1x) 696-960 | (1x) 1695-2700 MHz

85° 24.3 in FIXED TILT

## CUX085X06Fxyz0

#### Features

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



		LOW BAND	MID BAND				
	Frequency Range (MHZ)	(1x) 696-960	(1x) 1695-2700				
ΕŇ	Array	<b>R</b> 1	<b>Y</b> 1				
RVI	Connector	2 PORTS	2 PORTS				
DVE	Polarization	XPOL	XPOL				
CT	Azimuth Beamwidth (avg)	85°	85°				
NDC	Electrical Downtilt	0°	0°				
PRC	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	9.0	10.0				
Azimuth Beamwidth (3 dB)	degrees	88°	85°				
Elevation Beamwidth (3 dB)	degrees	42°	40°				
Electrical Downtilt	degrees	(×)	0°				
Impedance	Ohms 50Ω		Ω				
VSWR		≤ 1.	5:1				
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153					
Front-to-Back Ratio dB		> 20					
Isolation Between Ports dB		> 20					
Input Power Watts		500W					



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ELECTRICAL SPECIFICATIONS	Mid Band	Y1						
Frequency Range	(1x) 1695-2700							
Frequency Sub-Range MH		1695-1880 1850-1990		1920-2200	2300-2700			
Polarization		(1x) ±45°						
Gain	dBi	12.5	13.0	13.0	13.0			
Azimuth Beamwidth (3 dB)	degrees	88°	85°	83°	80°			
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	> 20						
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)	
		Calculation	km/h (mph)	160 (100)	
Windl	oad	Front	N (lbf)	219 (49)	
		Side	N (lbf)	129 (29)	
Survival Wind Speed			km/h (mph)	241 (150)	
	A	Front	m² (ft²)	0.18 (1.9)	
wind .	Area	Side	m² (ft²)	0.11 (1.1)	
		Туре		4.3-10 Female or 7/16-DIN Female	
Conne	ector	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.

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Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.



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#### **BOTTOM VIEW - LABELING**



#### ARRAY LAYOUT Topology

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



The illustration is not shown to scale.



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#### **MOUNTING KITS** Select from the following mounting options when ordering.

MODEL NUMBER	DESCRIPTION	FITS PIPE DIAMETER	WEIGHT
MKS09P01	2-POINT MOUNTING BRACKET KIT (Included with CUX085X06Fxyz0-P)	50-115 mm (2.0-4.5 in)	2.9 kg (6 lbs)
МКS09Т01	2-POINT, SCISSOR TILT, MOUNTING & DOWNTILT BRACKET KIT (Included with CUX085X06Fxyz0-T)	50-115 mm (2.0-4.5 in)	4.5 kg (10 lbs)
	CONTINUOUS ADJUSTMENT "STADIUM" MOUNTING BRACKET KIT - WALL OR POLE MOUNT (Included with CUX085X06Fxyz0-S) Allows continuous adjustment of the azimuth and elevation; Straps for Pole Mounting are <b>NOT</b> included.	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.



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NUMBER O OPERATING	F BANDS & FREQUENCY	PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA- TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	ORDERING OPTION
С	U	х	085	х	06	F	ху	z	0	-P -S -T
(1x) 696-960	(1x) 1695-2700	Standard Panel Antenna	85°	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 placehold- er for the con- nector 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.



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#### **ORDERING OPTIONS** Select from the following ordering options

SELECT MOUNTING KIT	SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND		SELECT CONNECTOR TYPE	ORDER	
	LOW BAND	MID BAND		MODEL NUMBER	
ANTENNA ONLY - NO MOUNTING KIT	0°	0°	4.3-10 Female	CUX085X06F <mark>00s</mark> 0	
	0	0	7/16-DIN Female	CUX085X06F00D0	
ANTENNA WITH <b>MKS09P01</b> MOUNTING KIT			4.3-10 Female	CUX085X06F00s0-P	
	00	00	7/16-DIN Female	CUX085X06F00D0-P	
ANTENNA WITH <b>11100010</b> MOUNTING KIT	08	08	4.3-10 Female	CUX085X06F00s0-S	
um" Mounting Bracket Kit - Wall or Pole Mount	00	00	7/16-DIN Female	CUX085X06F00D0-S	
ANTENNA WITH <b>MKS09T01</b> MOUNTING KIT 2-Point Scissor Tilt Mounting &	0°	0°	4.3-10 Female	CUX085X06F <mark>00s</mark> 0-T	
Downtilt Bracket Kit	0	0	7/16-DIN Female	CUX085X06F00D0-T	



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