

Hex-Port Antenna CMA-UBTLBHH/6516/20/20

XXX-Pol 698-960 / 1710-2690 / 1710-2690



Electrical specification:

Frequency range per input (MHz)	2 x 698-960		4 x 1695-2690		
	698-896	880-960**	1710-1880	1920-2170	2490-2690
Frequency band definitions (MHz)					
Polarization	Dual linear $\pm 45^\circ$		2 x Dual linear $\pm 45^\circ$		
Gain (dBi)	15.6	15.7	18.3	18.7	19.8
Horizontal = 3 dB beamwidth ($^\circ$)	67	71	68	67	56
Vertical = 3 dB beamwidth ($^\circ$)	12.5	10.9	6.6	5.8	4.6
Adjustable electrical downtilt	2° - 12°		2° - 10°		
Front to back ratio (dB)	>24 (typical >26)		>24 (typical >27)		
First upper sidelobe suppression	2°, 7°, 12°		2°, 6°, 10°		
First nullfill below horizon (dB)	>18, >18, >16		>16, >15, >13		
First nullfill below horizon (dB)	-		>25		
Cross-polar discrimination +/-0° (dB)	>23		>18 (typical >20)		
VSWR	<1.5:1		<1.5:1		
Isolation between inputs (dB)	>28		>28		
Isolation between bands (dB)			>28		
Antenna Efficiency*	90 %		90 %		
Inter modulation, IM3 (dBc)			>155 @2x43 dBm		
Nominal impedance			50 Ω		
Max power per input			500 W		

Mechanical specification:

Connectors	6 x 4.3 -10 female
Connector position	Bottom
Lightning protection	DC grounded
Height/Width/Depth mm (inch)	1659 (66.3) / 420 (16.5) / 192 (7.6)
Antenna weight kg (lb)	24 (52)

Wind load at 42 m/s (94 mph)

Frontal:	755 N (170 lbf)
Lateral:	190 N (43 lbf)

Survival wind speed

67 m/s

Colour radome

Light Grey, RAL 7035

Radome material

ASA

Mounting hardware:

Mounting bracket	2
Bracket weight (complete)	5 kg (11 lb)
Pole diameter	45-120 mm (1.8 - 4.7 in)
Tilt bracket	0° - 8° mechanical

Ordering Information:

MET Version	120340
RET Version	120345