

CMA-BTLBHH/6516/20/20

XXX-Pol: 698-894 / 1710-2360 / 1710-2360

Electrical specification:

	2 x 698-894		4 x 1710-2360		
Frequency range per input (MHz)	698-806	806-894	1710-1990	1920-2180	2305-2360
Frequency band definitions (MHz)					
Polarization	Dual linear $\pm 45^\circ$		2 x Dual linear $\pm 45^\circ$		
Gain (dBi)	16.1	16.0	20.2	20.4	21.0
Horizontal = 3 dB beamwidth ($^\circ$) $\pm 4^\circ$	69	72	63	61	57
Vertical = 3 dB beamwidth ($^\circ$) $\pm 0.5^\circ$	12.4	10.9	5.1	4.5	4.1
Adjustable electrical downtilt	0° - 10°		2° - 8°		
Front to back ratio (dB)	>25		>25		
First upper sidelobe suppression	>17		>17		
First nullfill below horizon (dB)			<-20		
Cross-polar discrimination +/-0° (dB)	>20		>20		
Cross-polar discrimination +/-60° (dB)	>10		>10		-
VSWR	<1.5:1		<1.5:1	<1.5:1	<1.67:1, typical <1.4:1
Isolation between inputs (dB)	>25		>25		
Isolation between bands (dB)			>30		
Antenna Efficiency*	94 %		93 %		
Inter modulation, IM3 (dBc)			>153 @2x43 dBm		
Inter modulation, IM7 (dBc)			>163 @2x43 dBm		
Nominal impedance			50 Ω		
Max power per input			500 W		

Mechanical specification:

Connectors	6 x 7/16 female
Connector position	Bottom
Lightning protection	DC grounded
Height/Width/Depth mm (in)	1830 (72.0) / 412 (16.2) / 200 (7.8)
Antenna weight kg(lb)	40 (88)

Wind load at 42 m/s (94 mph)

Frontal:	746 N
Lateral:	162 N
Rear:	914 N
Survival wind speed	70 m/s (156 mph)

Colour radome
Radome material

Light Grey, RAL 7035
ASA

Mounting hardware:

Mounting bracket
Bracket weight (complete)
Pole diameter
Tilt bracket

2
6.5 kg (14.3 lb)
45-120 mm (1.8-4.7 in)
0° - 5° mechanical

Product Numbers:

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110320