

CMA-B/6519/E0-8

X-Pol: 1800-2100

Electrical specification:

Frequency range per input (MHz)	1710-1880	2 x 1710-2180 1850-1990	1920-2180
Frequency band definitions (MHz)			
Polarization		Dual linear $\pm 45^\circ$	
Gain (dBi)	18.4	18.9	19.4
Horizontal = 3 dB beamwidth ($^\circ$) $\pm 3^\circ$	65	63	62
Vertical = 3 dB beamwidth ($^\circ$) $\pm 0.4^\circ$	7.2	6.8	6.4
Adjustable electrical downtilt ($^\circ$)		0 – 8	
Front to back ratio (dB)		>25	
First upper sidelobe suppression (dB)		0°, 4°, 8° >18, >17, >16	
First nullfill below horizon (dB)		<20	
Cross-polar discrimination +/-0° (dB)		>20	
Cross-polar discrimination +/-60° (dB)		>10	
VSWR		<1.5:1	
Isolation between inputs (dB)		>30	
Antenna Efficiency*		95 %	
Inter modulation, IM3 (GSM) (dBc)		>153 @2x43 dBm	
Inter modulation, IM7 (UMTS) (dBc)		>163 @2x43 dBm	
Nominal impedance		50 Ω	
Max power per input		500 W	

Mechanical specification:

Connectors	2 x 7/16 female
Connector position	Bottom
Lightning protection	DC grounded
Height/Width/Depth mm (in)	1298(51.1) / 196 (7.7) / 122 (4.8)
Antenna weight	10 kg (22 lb)

Wind load at 42 m/s (94 mph) :

Frontal:	235 N (53 lbf)
Lateral:	91 N (20 lbf)
Rear:	152 N (34 lbf)
	60 m/s (134 mph)
	Light Grey, RAL 7035
	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	110035 B
RET version	110045 B

