

VHF Corner Reflector Antennas

136-174 MHz

CR2



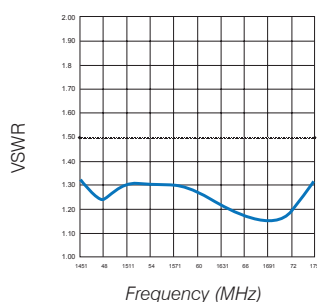
The CR2 antenna is a single element 90° corner reflectors, delivering high gain and high front to back ratios for critical long path or high interference applications. The CR2 is constructed with an aluminium grid-style back screen with close element spacing to maximise pattern control characteristics. The all welded screen is of alodined aluminium finish for corrosion protection and the single folded dipole element is mounted using all stainless steel fittings.



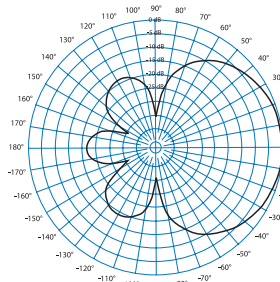
Features:

- Extremely high front to back ratios and minimal side lobe characteristics
- Shipped unassembled for ease of handling, easily assembled on site
- Direct DC grounded for lightning protection and reduction of precipitation static noise

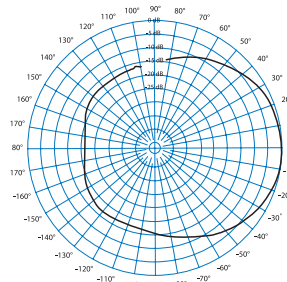
Typical VSWR Response (CR2)



CR2 - E Plane



CR2 - H Plane



Electrical

Model Number	CR2
Nominal Gain dBi (dBd)	9 (7)
Frequency MHz	136 - 174
Tuned Bandwidth MHz	26
VSWR (Return Loss)	<1.5 :1 (14dB)
Nominal Impedance Ω	50
Vertical Beamwidth°	69
Horizontal Beamwidth°	62
Front / Back Ratio dB	22
Input Power W	750

Mechanical

Model Number	CR2	
Construction	Welded aluminium grid with alodined finish and stainless steel fittings	
Length m	1.3 x 1.3 x 1.2	
Weight kg	13.0	
Termination	N female with short 9142 cable tail	
Mounting Area	Clamps to diam. 40-85mm, 1166mm apart	
Suggested Clamps	Supplied	
Projected Area cm ²	No ice	9170
	With ice	15452
Wind Load (Thrust) @ 160km/h N	1087	
Wind Gust Rating km/h	214	
Torque @160 km/h Nm	602	