

VHF and UHF Corner Reflectors

When you require good gain together with a high front-to-back ratio, a corner reflector will provide the ideal fixed position antenna solution.

Both RA3 and RA4 models are simple to assemble with the dipole mounting position clearly indicated with a red adhesive band.

Mounting clamps, coaxial feeder cable, connectors and other installation accessories are all available separately.

Specifications	RA3	RA4
Construction	Aluminium and galvanised steel	Aluminium
Frequency Range	VHF 148-174MHz	UHF 400-520MHz
Bandwidth	Specify any 7.5%	Specify any 20MHz
Return Loss, VSWR	<1.5:1 across specified bandwidth	
Tuning	Factory	Factory
Gain	7.5 dBd	10 dBd
Maximum Power	250 Watts	100 Watts
Impedance (nominal)	50 Ohms	50 Ohms
DC Grounding	Yes	Yes
Polarisation	Mount Horizontal or Vertical as required	
H Plane	51°	47°
E Plane	56°	53°
Front-to-Back Ratio	30 dB	30 dB
Connector	N-type female located in the base of the dipole	
Reflector Grid Dimensions	1250mm x 1250mm	650mm x 550mm
Weight	12Kg	5Kg
Projected Area	0.811m @ 152MHz	0.261 @ 410MHz
Wind Load at 160kph	0.963kN	0.309kN
Mouting Accessories (supplied)	2 x Y2300	2 x U-bolts, for 20-50mm masts

