

VHF and UHF Corner Reflectors

VHF 148-174MHz or UHF 400-520MHz

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 hardware, 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 fitted to 1.0m cable tail	N-type female located in the base of the dipole
Reflector grid dimensions	1250mm x 1250mm	650mm x 550mm
Weight	12.0kg	5.0kg
Projected area	0.811m at 152MHz	0.261 at 410MHz
Wind load at 160kph	0.963kN	0.309kN
Mounting hardware (supplied)	2 x Y2300	2 x U-bolts, for 20-50mm masts



RA3



RA4



RA4 connector