

Omni-directional UHF collinears

UHF 380-520MHz

This range of UHF omnidirectional fixed position collinears are designed for use within the UHF frequency range 380-520MHz.

The G49R model is a more robust and rugged design and construction, purpose built to survive the most extreme conditions.

Please specify TX and RX frequencies when ordering.

Mounting hardware, coaxial feeder cables, connectors and other installations accessories are all available separately.

Specifications	G45	G46	G49	G49R
Radome	White fibreglass radome			Rugged fibre-glass radome
Mount section	Aluminium	304 grade stainless steel		Heavy duty Aluminium
Frequency range	UHF 380-520MHz		430-520MHz	380-520MHz
Maximum bandwidth	Any 4%	Any 1.5% - specify when ordering		
Return loss, VSWR	Better than -15dB, 1.5:1 across specified bandwidth			
Tuning	Factory	Factory	Factory	Factory
Gain	3 dBd	6 dBd	9 dBd	9 dBd
Maximum power	250 Watts	250 Watts	250 Watts	250 Watts
Impedance - nominal	50 Ohms	50 Ohms	50 Ohms	50 Ohms
DC grounding	Yes	Yes	Yes	Yes
Polarisation	Vertical	Vertical	Vertical	Vertical
H Plane	360° omnidirectional, ± 0.5 dBd			
E Plane	32°	16°	9°	9°
Connector	N-type female in base of mount section			
Height at 380MHz	2.5 metres	3.0 metres	3.5 metres	4.0 metres
Weight	2Kg	3Kg	4Kg	7Kg
Projected area	0.057m ²	0.066m ²	0.075m ²	0.117m ²
Wind load at 160kph	5.7Kg, 0.056kN	8Kg, 0.079kN	9.09Kg, 0.089kN	14.9Kg, 0.14kN
Mount section	450mm x 32mm			400mm x 48mm
Mounting hardware (order separate)	2 x EB1-SS or 1 x UB3-SS			2 x UAM180L or 2 x UAM90L

