

CLU3 and CLU3SS

Mast mount collinear

UHF 400-520MHz

The CLU3 and CLU3SS mast mount UHF collinears are designed and manufactured to ensure long term survival and will deliver reliable performance for many years.

Mounting hardware, water-proofing, coaxial feeder cable, connector and other installation accessories are all available separately.

Specifications	CLU3	CLU3SS
Construction	White fibreglass radome, aluminium mount section	White fibreglass radome, stainless steel mount section
Frequency range	UHF 400-520MHz	UHF 400-520MHz
Bandwidth	Any 1.5% - specify centre frequency when ordering	
Tuning	Factory	Factory
Return loss, VSWR	<1.5:1 across specified bandwidth	
Gain	5.1 dBi	5.1 dBi
Maximum power	100 Watts	100 Watts
Impedance	50 Ohms	50 Ohms
DC grounding	Yes	Yes
Polarisation	Vertical	Vertical
H Plane	360° omni-directional, ± 0.5 dBd	
E Plane	28°	28°
Connector	N-type female in base of mount section - no cable	
Height	1.7 metres	1.7 metres
Weight	1.2kg	1.2kg
Projected area	0.032m ²	0.032m ²
Wind load at 160kph	3.9kg, 0.039kN	3.9Kg, 0.039kN
Mount section	300mm x 25mm	300mm x 25mm
Mounting hardware (order separate)	Mast mounting: 2 x EB1-SS or 1 x UB3-SS	
Mounting position (recommended)	Mount as high on your structure, mast or tower as possible using the appropriate mounting clamps	



N-type female in base of mount section

Sample Radiation pattern at 415MHz

