

## Section 6

### MARINE ANTENNAS

Updated 18 February 2011

### CLU3SS UHF Marine Collinear Mast Mount

Frequency  
**400 – 520 MHz**

Bandwidth  
**Any 1.5%**



1.7 metres tall with 5.1 dBi gain, the CLU3SS marine mast mount collinear antenna can be manufactured to cover any 1.5% bandwidth you specify within the UHF frequency range 400 to 520 MHz.

The antenna is constructed from stainless steel and fibreglass to ensure long term survival in the harsh marine environment and will deliver reliable performance for many years.

The N-Female connector located at the base of the mount tube is rated for up to 100 watts input power.

Mast mounting clamps, feeder cable, connectors, cable ties and tape are available separately to complete the installation.

SPECIFICATIONS	CLU3SS
Construction	Single piece white fibreglass radome and stainless steel mount tube
Frequency Range	<b>400 to 520 MHz</b>
Bandwidth	<b>Any 1.5%, specify your centre frequency when ordering</b>
Tuning	Factory
VSWR	Better than 1.5:1 across the 1.5% bandwidth specified
Gain	<b>5.1 dBi</b>
Max Input Power	100 Watts
Impedance	50 Ohms
DC Grounding	Yes
Polarisation	Vertical
E-Plane	28°
H-Plane	360° Omnidirectional
Connector	N-Female at base of mount tube
Height	1.7 metres
Weight	1.2 kg
Projected Area	0.032 m <sup>2</sup>
Wind Load 160 kph	3.9 kg, 0.039 kN
Mount Tube	300 mm long x 25 mm diameter
MAST Mounting Clamps (Not supplied, order separate)	<b>2 x EB1SS stainless steel parallel clamps</b> are recommended. Suit round mast between 20 mm and 50 mm in diameter.

