

12-5005

CHELTON

Multiband Tuneable Antenna

30MHz - 600MHz

Key features:

- **Multiband tuneable antenna**
- **Compatible with Havequick II and Saturn**

The 12-5005 is a multiband tuneable antenna designed to provide communications in the 30-600 MHz range. The antenna is compatible with Chelton's range of logic units which are capable of providing an interface to current fast frequency hopping radios and as a system, is capable of meeting the tuning times with modes such as Havequick II and Saturn.

The antenna is designed to meet the requirements of ED-23C.



ELECTRICAL

Frequency	30MHz - 88MHz 108MHz - 118MHz 118MHz - 174MHz 225MHz - 600MHz
Power	50W CW Max
Impedance	50 Ω
VSWR	30 - 88MHz: ≤2.5:1 108 - 118MHz: ≤ 3.0:1 118 - 174 MHz: ≤2.5:1 225 - 600 MHz: ≤2.5:1
Gain	30 MHz: -15.5dBi 88MHz: -6dBi 108 - 174MHz: -3dBi avg 225 - 600MHz: 0dBi avg
Polarisation	Vertical
Radiation	Omnidirectional

MECHANICAL

Dimensions (LxWxH)	315 x 72 x 234.1mm
Weight	1.59kg
Connector	V/UHF - TNC DC - D38999
Platform(s)	Air

ENVIRONMENTAL

Standard	MIL-STD-810G DO160G
Continuous Operating Temperature	- 54°C Min + 71°C Max
Altitude (Operation)	35000ft
Vibration	MIL-STD-810G w/Ch 1, Method 514.7, Procedure I

