

12-5008

CHELTON

Multiband Tuneable Antenna

30MHz - 512MHz

760MHz - 960MHz

Key features:

- **Multiband tuneable antenna**
- **Compatible with RT-5000 & RT-7000 Radio**

The 12-5008 is a multiband tuneable antenna designed to provide communications in the frequency ranges 30 MHz to 512 MHz and 760 to 960 MHz.

The antenna is compatible with Chelton's range of logic units that 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 - 512MHz 760MHz - 960MHz
Power	30 - 512MHz - 50W CW Max 760 - 960MHz - 15W CW Max
Impedance	50 Ω
VSWR	30 - 88 MHz: ≤2.5:1 108 - 118MHz: ≤ 3.0:1 118 - 174MHz: ≤2.5:1 225 - 512MHz: ≤2.5:1 760 - 960MHz: ≤2.5:1
Gain	30MHz: -15.5dBi 88MHz: -6dBi 108 - 174MHz: -3dBi avg 225 - 512MHz: 0dBi avg 760 - 960MHz: 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 DO160G Section 8 Cat R

