12-148

CHELTON

Multiband Tuneable Blade Antenna

Key features:

- High Gain (-11dBi) at 30MHz
- Rugged

The 12-148 is a multi-band antenna combining frequency agile operation over the frequency range 30-108 MHz with a fixed code communications function over the frequency range 108-174 MHz and 225-400 MHz.

ELECTRICAL

Impedance	50 Ω		
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VSWR	30-108 MHz		< 2.5:1
	108-117.975 MHz		< 3.0:1
	118-174 MHz		< 2.5:1
	225-400 MHz		< 2.5:1
Gain	30 MHz ≥		- 11.0 dBi
	45 MHz ≥		- 8.0 dBi
	88 MHz ≥		- 3.0 dBi
	108-117.975 MHz	≥	- 5.0 dBi
	118-174 MHz	≥	- 1.0 dBi
	225-400 MHz	≥	- 1.0 dBi
Polarisation	Vertical		

MECHANICAL

Dimensions (LxWxH)	301 x 92 x 400 mm
Weight	1.95 kg
Connector	RF: TNC Female DC: D38999/20WB35PN

ENVIRONMENTAL

Continuous Operating Temperature	- 40°C Min + 85°C Max
Altitude	25000 ft
Vibration	MIL-STD-810E, Method 514.4, Proc I, Cat 6 mod

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