

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	
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	

