

Top-loaded Multiband Blade Antenna

Key features:

- Gain at 30MHz is > -13dBi, height 10 inches
- Separate L-band operation

The 12-190-222 is a multiband, low profile antenna designed for operation in the frequency bands 30-88, 108-174, 225-400 and 960-1220 MHz. The design is such that it may be used for simultaneous operation of separate VHF/UHF and L-Band Radios via separate connectors.

ELECTRICAL

Impedance	50 Ω	
VSWR	30-88 MHz	< 2.5:1
	108-174	< 2.5:1
	225-400	< 2.5:1
	960-1220	< 2.0:1
Gain	30 MHz	> -13.0 dBi
	40.5 MHz	> -12 dBi
	88 MHz	> -4 dBi
	108 MHz	> -3dBi
	174 MHz	> 0 dBi
	960-1220 MHz	> +2 dBi
Polarisation	Vertical	

MECHANICAL

Dimensions (LxWxH)	330 x 70 x 254 mm	
Weight	1.8 kg	
Connector	V/UHF:	TNC Female
	L-band:	N Female
	DC:	PT02 12-10P

ENVIRONMENTAL

Continuous Operating Temperature	- 40°C Min
	+ 70°C Max
Altitude	15000 ft
Vibration	MIL-STD-810E, Method 514.4, Proc I, Cat 6 mod

