



BROADBAND PROPAGATION

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BPV-100-250 VHF Vehicle Whip

The BPV-100-250 is a ruggedly constructed whip antenna which covers the frequency range of 100 MHz to 250 MHz without the need for any external tuning or adjustments.

Construction of the whip features a specialised element material offering more efficient transfer of radiated power and increased impact survival and durability compared with hollow glass fibre whips. (Survives better than 70 impacts at midpoint at speed of 40 Km/h)

The antenna has an extremely rugged base suitable for all types of mobile platforms. The base has provision for UK/ NATO 6, or 3 hole pattern and USA 4 hole pattern mounting

Electrical / Mechanical Specifications

Frequency range:	100 to 250 MHz
Input Impedance:	50 Ohms
Power Rating:	200 watts CW
VSWR:	< 3.0:1 over band
Gain:	-1dBi to +4dBi over band
Polarisation:	Vertical
Radiation pattern:	Azimuth 360 deg, (Omni Directional)
Input Connector:	BNC female (other connectors including "N" type available)
Colour:	Matt Black overall
Diameter:	12mm
Length:	1.84m overall including Base
Weight:	2.8 kg

Environmental Specifications

Temperature:	Operating; -20°C to +60°C, Storage; -40°C to +70°C
Humidity:	Maximum 95% Relative Humidity at 55°C
Vibration:	Sine wave impulse 1-400 Hz at +/- 6mm constant displacement or +/- 20 m/sec squared acceleration (whichever is less)

Impact Rating: Better than 70 impacts midpoint at speed of 40 km/h

(Whip can be supplied with other antenna to base attachment formats or threads, and other base styles)



Antenna Base NATO/ USA 4 hole pattern mounting