



BROADBAND PROPAGATION

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BPV-30-108 VHF Vehicle Whip

This is a broadband antenna designed for high performance in the VHF band 30-108MHz. Power rating is 100 watts continuous, and gain over the band is comparable to a tuned $\frac{1}{4}$ wave whip antenna. Tuning is automatic and all tuning elements are incorporated within the antenna and base.

Fabricated from fibreglass, the antenna has high impact survival and is lightweight and rugged.

The antenna whip is used in conjunction with a rugged base unit with heavy duty stainless steel spring. The base is fitted with mounting holes of UK/Nato 6 hole, or USA 4 hole pattern.

Specifications

Frequency range:	30 to 108 MHz (without tuner)
Power Rating:	100 watts
Radiation pattern:	Omnidirectional (with some variation according to vehicle type and mounting position)
VSWR	Better than 3:1 across the band
Polarisation:	Vertical
Input Impedance:	50 Ohms
Input connector:	BNC
Whip Diameter:	12.5mm
Overall height:	2.74m from bottom of whip.
Impact Survival:	Better than 100 impacts at the midpoint of the antenna at 40 kph.
Mounting:	UK/Nato 6 hole, or USA 4 hole pattern
Colour:	Matt Black overall

