



BROADBAND PROPAGATION

Antenna Design & Supply

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PRA-350-450 VHF/UHF Personal Radio Antenna

The PRA-350-450 VHF/UHF Personal Radio Antenna is a versatile antenna offering good gain and optional mounting positions to maximize circuit range according to the users operational requirements.

It is ground independent and can be used attached directly to the radio or via a supplied length of coaxial cable with the antenna mounted in a higher position.

The antenna is designed for use with modern, military hand held radios. It is both light-weight and extremely robust in its design and highly suitable for the most demanding of tactical applications, across the full range of environmental conditions.

It can be supplied with an optional antenna extension rod. This rod is attached to the soldier's back on his vest and the antenna sits with most of it's radiating length above shoulder level. The antenna position and height gives a much improved communication range.

Broad instantaneous bandwidth

Increased performance over standard stubby whip antenna when directly mounted to antenna.

Even better performance when mounted high using extension rod and coax.

Specifications

Frequency range:	350 to 450 MHz
Input Impedance:	50 Ohms
Power Rating:	10 watts CW continuous
VSWR:	3.5:1 Maximum. (much better than this across most of the band)
Gain:	2-2.5 dBi (effective gain much higher than standard antenna due to it's better gain and increased height)
Polarisation:	Vertical
Radiation pattern:	Omni Directional
Input Connector:	SMA
Colour:	Matt Black overall
Diameter:	10 mm
Length:	390 mm
Weight:	0.35 kg
Operating Temp.	-40°C to +70°C

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

