

Broadband Manpack Antenna



The MPMP25X20AB broadband monopole antenna is designed to be used in military manpack, commercial, and other applications where reliability is needed most. This antenna works with all radios within the 25-512 MHz band.

The antenna has an instantaneous bandwidth of 487 MHz over the operating band of 25-512 MHz with a VSWR of 3.5:1 or less (see chart) within the operational band at power inputs of up to 40 Watts.

The antenna is a passive electrical design and requires no tuners, band switching, or operator adjustment of any kind.

This antenna is designed to meet or exceed the applicable requirements of MIL-STD-810. The radiator is constructed from non-corrosive 304 Stainless Steel and rugged, high-impact, UV resistant Polycarbonate.

This antenna is designed with a 1-1/8" diameter x 2-3/4" long stainless steel spring for flexibility over rough conditions and obstacles.

- **No Matching Required**
- **Spring Loaded "Snap Together Whip"**
- **Low VSWR**



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Specifications

ELECTRICAL:

Frequency Range:	25-512 MHz
Gain:	-8 dBi @ 25 MHz -4 dBi @ 150 MHz -3 dBi @ 200-512 MHz Reference; 1/4 Wave Whip*
VSWR:	3.5:1 Maximum
Input Impedance:	50 Ω Nominal
Power:	40 Watts CW
Polarization:	Vertical
Radiation Pattern:	Azimuth: 360° Elevation: 90°
Input Connector:	Type N or PSC-5

MECHANICAL:

Overall Height:	70.8 in. (1.8 m)
Nested Length:	28 in. (0.71 m)
Net Weight:	1.07 lb. (0.49 kg)
Color:	Black/Green/Tan/Grey
Mounting:	Type N or PSC-5

*Gain measured on a manpack platform with feed point of the antenna at 60" (1.52 m) above earth ground. Reference to a 1/4 wave whip at the same measurement frequency and feed point height of 60" above earth ground.

**All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.

**Specifications are subject to change without prior notice.

