

### Application:

The Comrod VHF30512MPT-N12 is an ultra broadband antenna for portable VHF/UHF radio sets.

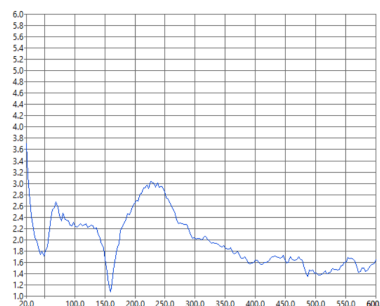
The antenna comprises a highly flexible ruggedized steel radiating element, flexible gooseneck, and unique low loss matching network allowing efficient performance over the full frequency band.

### Electrical specifications:

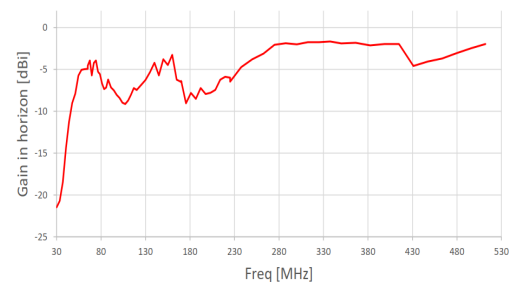
Frequency range	30-512 MHz
Impedance	50 Ohm
VSWR	< 3:1 - backpack position with radio < 3.5:1 - free space with radio
Power rating	16 W CW
Gain	See curve
Connector	N Type Male - Rotating Nut

### Mechanical specifications:

Design	Wideband monopole flexible blade with gooseneck and matching network.
Length	1.24 cm
Weight	382 g
Finish	Polyurethane lacquer and polyolefin shrink tube
Temperature range	-55 °C, +71 °C; -67 °F, +160 °F



Typical VSWR measured on manpack radio in free space



Gain with manpack radio in free space