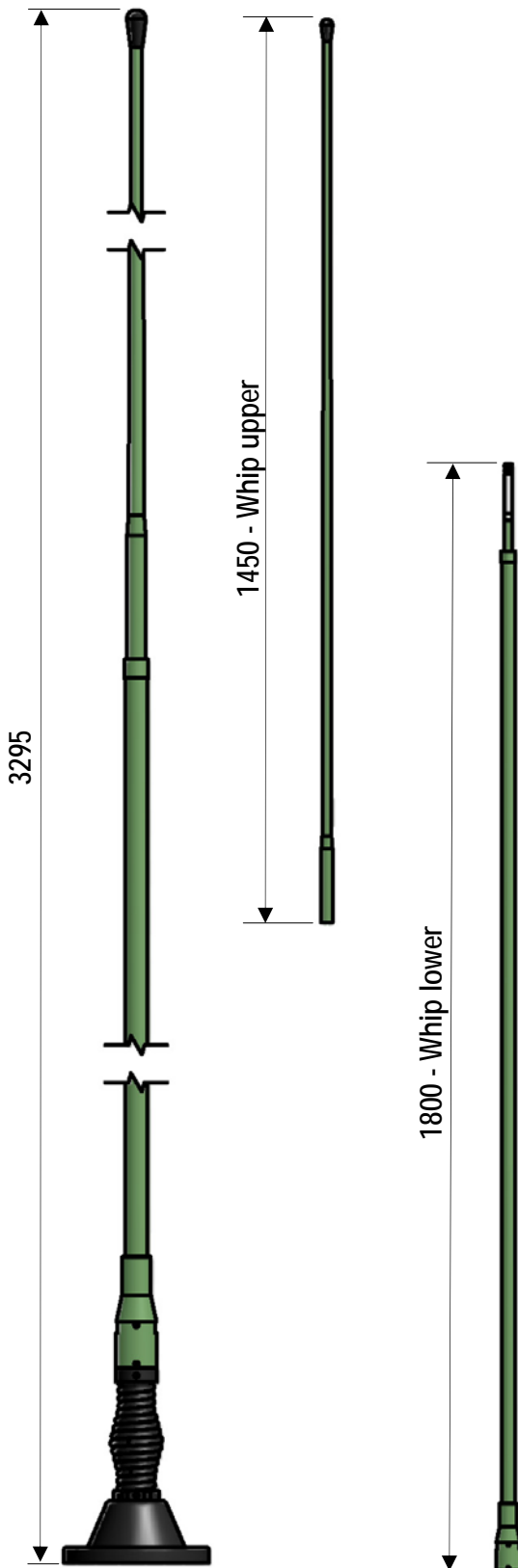


COMROD VHF30108VM

VHF Broadband Antenna



Application:

- * 30 - 108 MHz
- * Designed for operation on all kinds of vehicles including Jeeps, Trucks and other armoured vehicles
- * Suitable for operation on shelters and to be mounted on masts or in other permanent installations
- * Different kinds of bases available, with or without spring for flexible or rigid installations
- * No groundplane needed
- * No tuning electronics in the base
- * No tuning required
- * Uses the same bases as our VHF3088VM series of antennas. This includes a special base with a built-in GPS antenna.

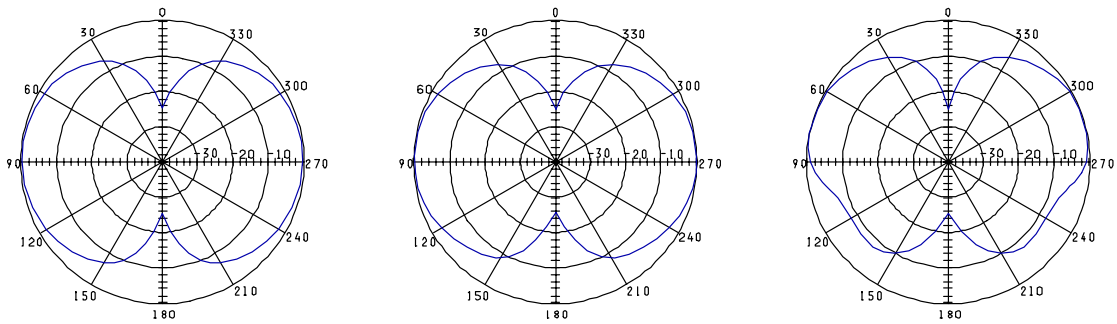
Electrical specifications:

| | |
|-------------------|--------------------------|
| Frequency range | 30 - 108 MHz |
| VSWR | < 3.5 |
| Nominal impedance | 50 ohm |
| Power rating | 75 W cw |
| Gain | see diagram, overleaf |
| Radiation diagram | Azimuth: Omnidirectional |
| Polarization | Vertical |
| Connector | BNC or to be specified |

Mechanical specifications:

| | |
|------------------------------------|---|
| Design | Centerfed dipole. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel. |
| Length, mounted | 3.1 m, 3.3m with base 1. |
| Weight | 1.65kg, ex. Base, 3.4kg with base 1. |
| Wind rating | 55 m/s = 125 mph |
| Finish | Polyurethane lacquer, olive drab. |
| Temperature range | -55 °C, +71 °C; -67 °F, +160 °F |
| Nato codification complete antenna | |
| | 5985.25.146.8625 |

Radiation Diagram, Elevation:

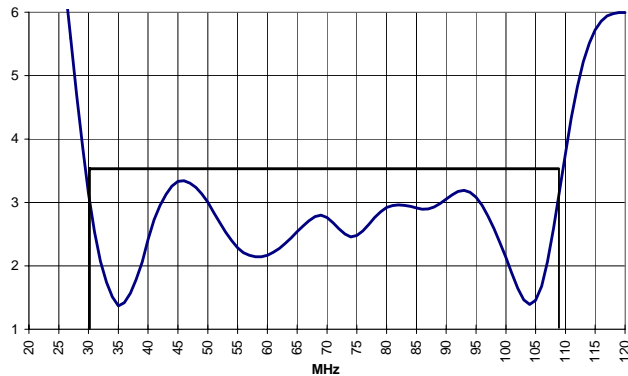


VSWR

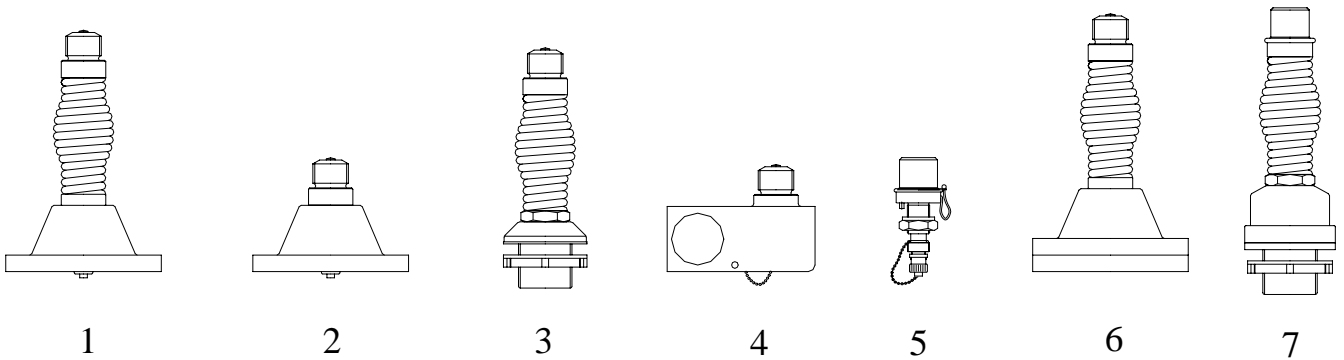
30MHz

60MHz

88MHz



Bases:



Part

| Nato Codification | Description |
|-------------------|--|
| 5985-25-146-8625 | Complete antenna with base no.1 |
| 5985-25-142-7958 | Upper whip section |
| 5985-25-152-3998 | Lower whip section |
| 5985-25-142-7956 | Base-1, NATO base with coil spring, BNC |
| 5985-25-145-5084 | Base-2, NATO Base without coil spring |
| 5985-25-148-1097 | Base-3, Ø 50 mm base with coil spring, BNC |
| 5985-25-144-0952 | Base-4, Mast mounting bracket, BNC |
| 5985-25-145-5085 | Base-5, General purpose bracket, BNC |
| 5985-25-146-6408 | Base-6, NATO base with spring and GPS element. BNC See datasheet NTS/GPS |
| 5985-25-149-3701 | Base-7, Ø50mm with coil spring and GPS, BNC. |

Mounting:

The Mounting hardware makes VHF30108VM an extremely flexible and versatile system. The same antenna elements can be used for vehicles and mast mounting and for permanent installations. The antenna may easily be switched from one application to another without the use of tools.