



MP4

VHF Antennas

Mechanical Features

- **Length:** 1,20 meter
- **Weight:** 1 kg
- **Sections:** 1
- **Bottom diameter:** 28 mm
- **Fittings:** from diameter 25 mm (1" W) to diameter 50 mm (1" 1/2G)
- **Structure:** Epoxy fiberglass
- **Finishing:** Polyurethane paint
- **Color:** White RAL 9000, (optional: Gray RAL 7001)
- **Irradiation material:** Brass tubes gold plated
- **Ferrule material:** Chrome plated brass
- **Working temperature:** -35°C to +80°C
- **Max wind resistance:** 150 km/h
- **Base torsion force:** 20 N at max wind speed

The MP4 is standard supplied with a MP1193C mounting nut

Conform with

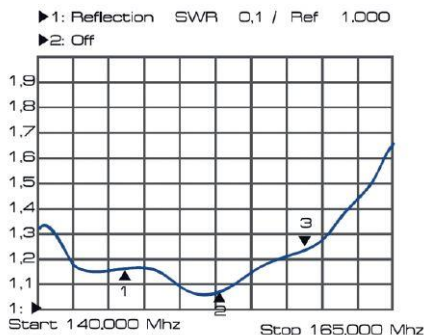
- **MIL-STD 810E:** temperature, salt, ice, sun irradiation resistance
- **MIL-STD 167-1:** vibration resistance
- **MIL-STD 810E:** shock resistance



Electrical Features

- **Frequency:** 144 – 163 MHz
- **Antenna:** ½ wave dipole
- **Bandwidth at SWR <1.5:** 19 MHz
- **SWR:** see diagram
- **Impedance:** 50 ohm
- **Gain:** 0 db on half wave dipole / 3 db isotropic
- **Max power:** 100 watt
- **Polarization:** Vertical
- **Horizontal irradiation:** 360°
- **Vertical irradiation:** 60°
- **Connector:** PL-female (N-female optional)
- **Lightning protection:** DC ground

SWR Diagram Optional Mounting accessories



MP533C: Mast L-Bracket



MP620-2C: Large L-Bracket