



M99 series

Highly flexible helical whip

VHF Mid Band 70-87MHz or 70-85MHz



The M99 series are helically wound whips specifically for the VHF Mid band 70-85MHz frequency range.

The helical design is most useful in circumstances where reduced height and flexible construction is essential.

Adaptors, coaxial feeder cable, connectors and other installation accessories are all available separately.

| | M99U-70 | M99ERG70-HD |
|--|--|---------------------------|
| Construction | Heatshrink coated flexible helical whip and chrome connector or mount ferrule | |
| Frequency range | VHF mid band 70-87MHz | VHF mid band 70-85MHz |
| Bandwidth | Any 3% within frequency range | |
| Tuning | Field trim to tune using SWR meter or network analyser | |
| VSWR - nominal | <1.5:1 | |
| Gain - nominal | 2.1dBi | |
| Polarisation | Vertical | |
| Maximum power | 25 Watts | |
| Impedance | 50 Ohms | |
| H Plane | 360° omni-directional | |
| Connector | UHF female PL259 in base | 5/16"-26TPI female thread |
| Height | 450mm | 308mm |
| Weight | 75 grams | 70 grams |
| Mounting - M99U-70 Mounting - M99ERG70-HD | RA-4.7 or MGB-UHF OB-2 / OB-4.7 / MGB-OB or MS Base | |
| Mounting position recommended | Mount as high on your device or vehicle as possible. If on hand-held device, ensure minimal metallic are surrounding you | |





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Recommended mounting hardware - M99ERG70-HD



OB-4.7 - Australian standard OB base with 4.7 metres MIL-SPEC RG58 cable and UHF Male PL259 supplied, not fitted

16mm mount hole

Requires 11mm spanner



MGB-OB - Magnetic base with Australian standard OB base, 4.7 metres MIL-SPEC RG58 cable, no connector

105mm diameter



OB-2 - Australian standard OB base with 5/16"-26TPI male thread

16mm mount hole

Requires 11mm spanner



MS Base - Stainless steel parallel spring with 5/16"-26TPI male thread at top and 5/16"-26TPI female thread in base

requires OB base mount

Recommended installation accessories - GRH-TPM



P/N 7944 - right-angle UHF female connector, no cable

Requires 16mm mount hole

Requires 18mm & 25mm spanners



RA-4.7 - right-angle UHF female terminated 4.7m MIL-SPEC RG58A/U cable and UHF male PL259 connector supplied

Requires 16mm mount hole

Requires 18mm & 25mm spanners



MGB-UHF - Black powdercoated magnetic mount base, 4.7 metres MIL-SPEC RG58A/U coaxial cable, UHF male PL259 supplied

105mm diameter



ZMB-90 - Black powdercoated magnetic mount base, 5 metres MIL-SPEC RG58A/U coaxial cable, UHF male PL259 fitted

90mm diameter