UHF400512VM

UHF vehicle whip, dipole, 0.56 m, 400-700 MHz

Tactical Antennas: Vehicle Mount

4-hole rigid base (B)

Application

- 400-600 MHz (400-700 MHz with reduced VSWR)
- Dipole design, no ground plane required
- Single connector
- Designed for operation on all military and civilian platforms
- Designed for operation on shelters, mounted on masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- Base options available including spring and rigid, vehicle/shelter and mast mount
- L1 and L1-L2 GPS options

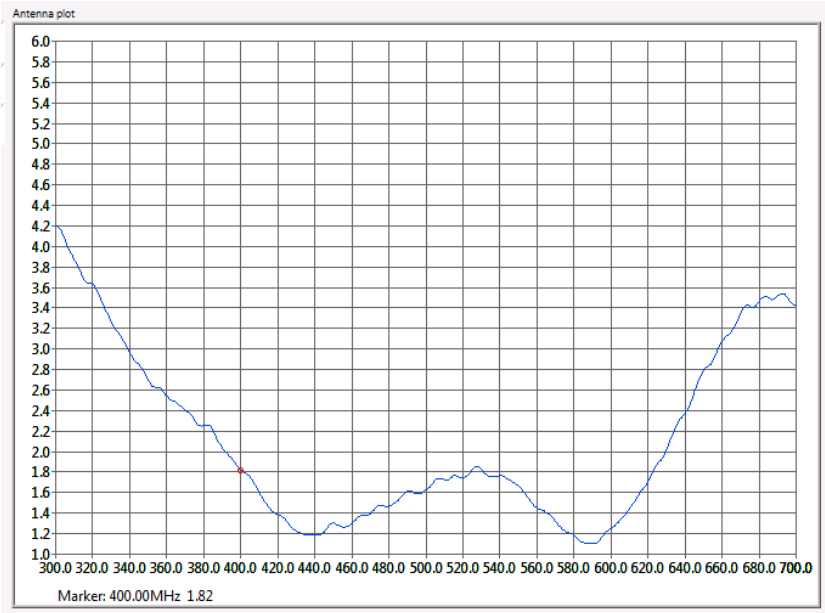
Electrical Specifications

Frequency Range	400-700 MHz
VSWR	400-600 MHz < 2.5 600-700 MHz < 3.5 (see diagram overleaf)
Impedance	50 Ω
Power Rating	100 W
Gain	0.5... 2 dBi
Radiation Pattern	Azimuth: Omnidirectional Vertical: Dipole pattern
Polarisation	Vertical
Connector	BNC female, others on request

Mechanical Specifications

Design	Centre fed dipole. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length	0.56 m (4-hole rigid base)
Weight	2.4 kg (4-hole rigid base)
Wind Rating	55 m/s = 201 km/h
Finish	Polyurethane lacquer, olive drab
Temperature Range	- 55°C to + 71°C

VSWR



Base Options

Bases are available to suit most installations including vehicle, mast and shelter mounting. Many are available with optional L1 and L1/L2 GPS. All bases are supplied with a protective top cap. See below for some of the base options:-

A

NATO 4-hole Spring
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 215 mm

B

NATO 4-hole Rigid
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 100 mm

C

NATO 4-hole Rigid - GPS
4 x M10 or 3/8" Bolts
on 114 mm PCD
Base diameter 140 mm
Base height 150 mm

D

Mast Mount Bracket
40 mm Socket
50 mm Socket
Customer Specified

E

Mast Mount Bracket
24 mm Spigot
40 mm Spigot
50 mm Spigot
Customer Specified

Base to Element Connector Options

A special version is available with a Comrod CEF connector between the base and radiating element (UHF400512VM/CEF). This radiating element can then be used on the standard Comrod VHF30512CEF multiband antenna base.

Fig 1 - VM base connection
(used on standard version
UHF400512VM)

Fig 2 - CEF base connection
(used on special version
UHF400512VM/CEF)

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Partnered Supplier

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