



General Description

The VHF27512CEF-HP is an Ultra Wide Band antenna covering the complete 27 to 512 MHz range. It is intended to be used on all kinds of vehicles including Jeeps, Trucks and Armoured vehicles.

The antenna needs no adjustment for different frequencies, and all the tuning elements are within the whip.

Construction

End-fed whip on VHF. Centre fed dipole on UHF.

Radiating element partially enclosed in epoxy/fiberglass laminate.

Metal parts are brass, aluminium and stainless steel.

Electrical Specifications

Frequency range	27 - 512MHz
VSWR	< 3.5
Nominal impedance	50 Ω
Power rating	200 W
Typical Gain	-10 to +3 dB rel. ¼wl
Radiation pattern Azimuth	Omni-directional
Polarisation	Vertical
Connector	N female, others on request

Environmental and Mechanical Specifications

Length Total	2.66m
Lower whip	1.13m
Upper whip	1.45m
Base	0.23m
Weight Total	4.25kg
Lower whip	1.2kg
Upper whip	0.3kg
Base	2.75kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer
Temperature range	-55 °C, +71°C; -67 °F, +160 °F
Installation	Standard 4 hole NATO base with spring