

Application

The VHF30108VM is a rigid mount dipole whip antenna which has been developed for shipboard applications. The antenna is ground independent and operates over the full 30-108MHz frequency band. VHF30108VM has been fully tested to meet the demands of equipment used in a shipboard military environment.

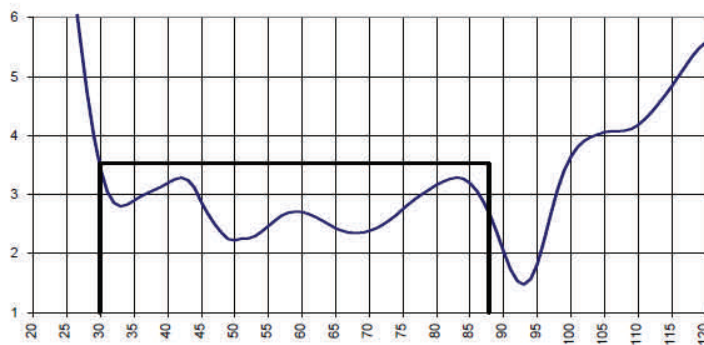
Electrical Specification

Frequency Range	30-108 MHz
VSWR	See curve
Impedance	50 Ω
Power Rating	100 W cw
Gain	See curve
Pattern	Omni-directional
Polarisation	Vertical
Connector	BNC or N type female

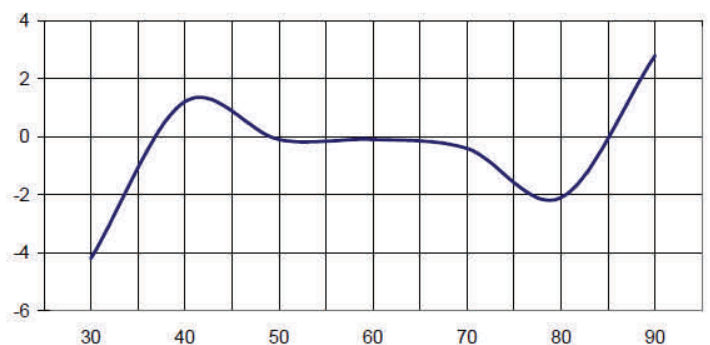
Mechanical Specification

Design	Centre-fed dipole. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length (nominal)	3.18 m
Weight	Whips 1.65 kg Base 1.0 kg
Wind Rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, grey
Temperature Range	-55°C, +71°C, -67°F, +160°F

VSWR



GAIN, relative $\frac{1}{4}\lambda$ whip on GP



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