

### Application

The VHF100512M is a broadband dipole antenna covering the complete 100 to 512 MHz frequency range.

The construction is very rugged, and the antenna is well suited for use on ships, and in other harsh environments.

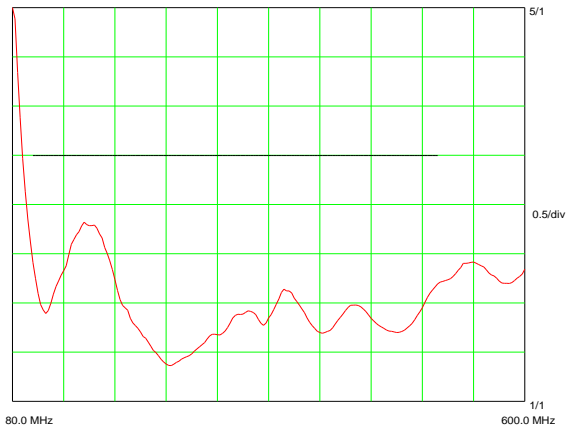
### Electrical specifications

Frequency range	100-512 MHz
VSWR	≤ 3.5
Nominal impedance	50 ohm
Power rating	50 W +0.8 dB, 10 min
Gain	-5.. 1.5 dBi, see plot
Radiation pattern	Azimuth: Omnidirectional
Polarisation	Vertical
Connector	N Type Female or BNC female

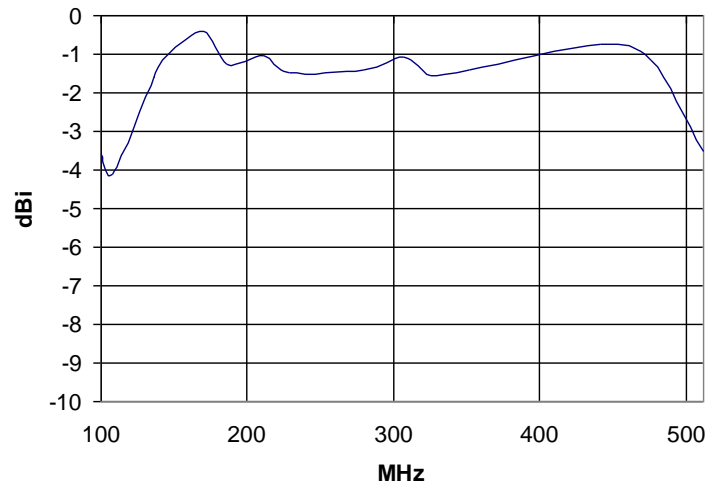
### Mechanical specifications

Design	Broadband centre-fed dipole. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length	1.05 m
Weight	1.6 kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, white, other colours on request.
Temperature range	-55 °C, +71°C; -67 °F, +160 °F
Mounting	To the bulkhead by means of 4 holes in the aluminum bracket, or to a mast or tube with the supplied U-bolts. See page 2 for details.

### VSWR



### Gain (dBi)



### Mounting - Pole and wall/bulkhead

