

Application:

TC32M is a high quality dipole antenna designed for the VHF marine radio communication service. It is a high quality antenna with a durable construction and a beautiful finish for installation on all kinds of Fishing Trawler or Vessels.

ELECTRICAL SPECIFICATIONS:

Frequency Range	154 - 163 MHZ (1.0:1)
Gain	3 dBi.
Bandwidth	10 MHz.
Polarization	Vertical
Input Impedance	50 Ohms
Radiation Pattern	Omni Directional
Vertical Beam-width – Half Power Points	78 Degrees
VSWR – Better Than	1.0 : 1
RF Power Handling Capacity	100 Watts
Input Termination	VHF Connector SO 259

MECHANICAL SPECIFICATIONS:

Mounting Hardware	Stainless Steel
Gross Weight	1 Kgs.
Overall Length	1.5 Meters/ 59 Inchs
Shipping Length	1.65 Meters / 6 Ft.
Support Pipe Outer Diameter	32 mm
Support Pipe Material	UPVC
Maximum Mount Pipe Diameter	60 mm (2.5 Inches)
Enclosure Materials	UV Resistant ABS or Nylon
Enclosure Length	1600 mm
Radiating Elements - Materials	High Quality Copper

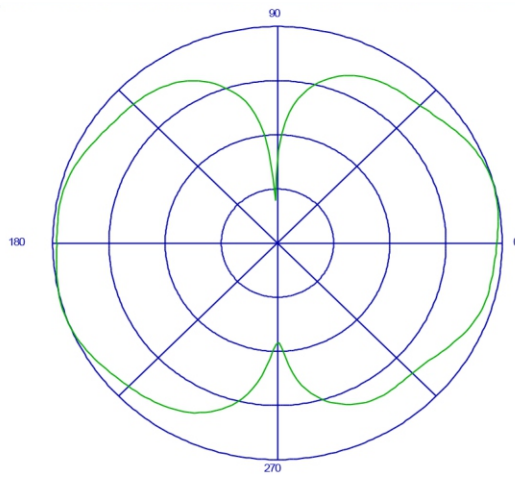


Mounting

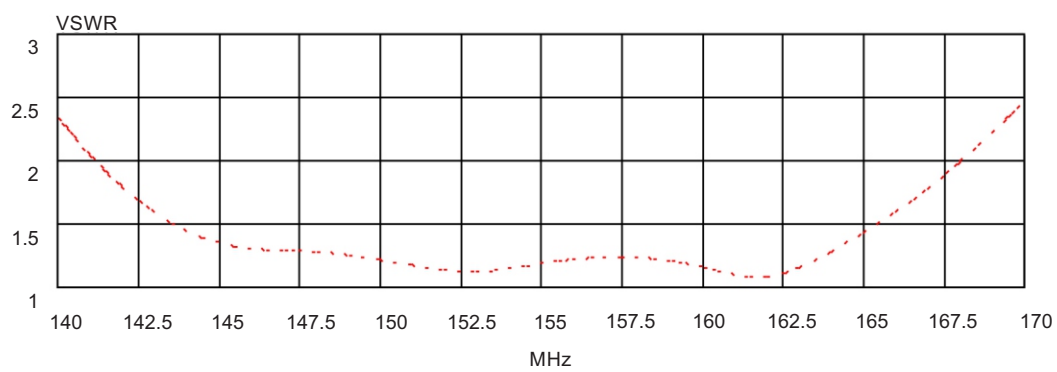
TC32M can be mounted directly onto the bulkhead by means of 4 holes in the aluminium bracket. It can also be attached to a mast or tube using the supplied M6 stainless steel U-bolts. The mounting tube can be horizontal or vertical. See page 2 for mounting details.

Suitable cable: RG8, RG213 or similar. Connector joint sealed with suitable waterproofing tape.

Pattern & VSWR



Vertical Radiation Pattern, $f=160\text{MHz}$, 40 dB dynamic range, 10dB/div



VSWR
(Voltage Standing Wave Ratio)

Mounting Details

