

TC - 40

154-163 MHz

3 dBi. Gain

**DESIGN FEATURES:** T3-150 VHF Omni-directional Marine Band Antenna is rugged all weather model uses high class brass and copper nylon ultra corrosion resistant Copper or Aluminum alloy and does not require any field tuning or adjustments. All junctions are fully welded to prevent RF inter-modulation and antenna is completely protected within a high-tech ruggedized ABS radome to ensure survivability in the worst environments. The UV resistant ABS enclosure has excellent transparency for RF signals and enough strength to withstand specified wind loads. The antenna is supplied with olive green ass colour. Other customized color can also be supplied on request. The compact size of Omni -directional antenna allows easy handling and shipping.

**CONSTRUCTIONS :** The TC - 40 is a center fed design which eliminates the distortion of the radiation pattern and ensures a true omni-directional horizontal pattern. The special stub matching is used for smooth VSWR and constant gain over the specified frequency band. The marine Band antenna consists of large diameter Copper radiating elements stacked vertically, fed in phase and enclosed in UPVC tube. The antenna termination is enclosed at bottom of the antenna for complete weather protection.

**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	SO 259

**MECHANICAL SPECIFICATIONS:**

Mounting Hardware	Stainless Steel
Gross Weight	1 Kgs.
Wind Rating	210 Km/Hr.
Overall Length	1.5 Meters
Shipping Length	1.65 Meters
Support Pipe Outer Diameter	40 mm
Support Pipe Material	UPVC
Maximum Mount Pipe Diameter	60 mm (2.5 Inches) or Self Mounting
Enclosure Materials	UV Resistant ABS or Nylon
Enclosure Outer Diameter	40 mm
Enclosure Length	1600 mm
Radiating Elements - Materials	High Quality Copper

Nylon Hanger inside  
for main radiating element

40 mm End Cap for Rain Protection

Nylon Clomping inside main  
radiating copper element

UPVC 40 mm Pipe

VHF Connector SO 259

Omni - Directional VHF Marine Band Antenna



