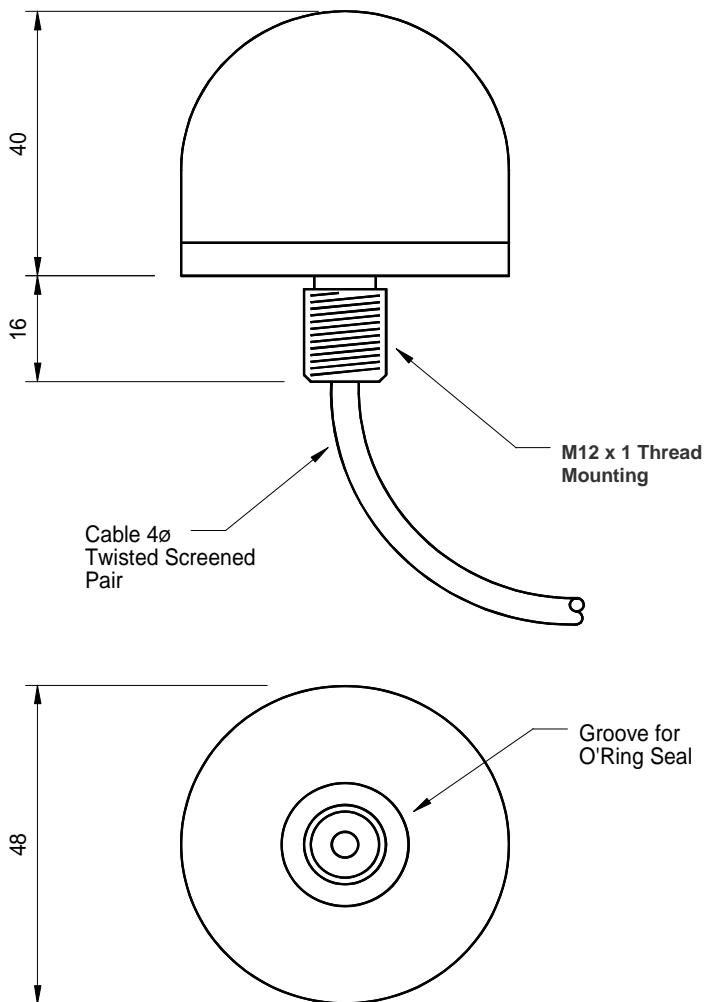


- HEMISPHERICAL BEAM PATTERN
- BROAD BAND TRANSMISSION
- DEEP WATER CAPABILITY
- TRANSPONDER
- RANGE TRACKING
- COMMUNICATIONS



All dimensions in mm

The T204 is one of a series of transducers available from Neptune that have been designed for use in transponder beacons, tracking systems, acoustic release systems and data communication systems.

A versatile transducer the T204 combines efficient broadband transmission and reception with an almost hemispherical beam pattern.

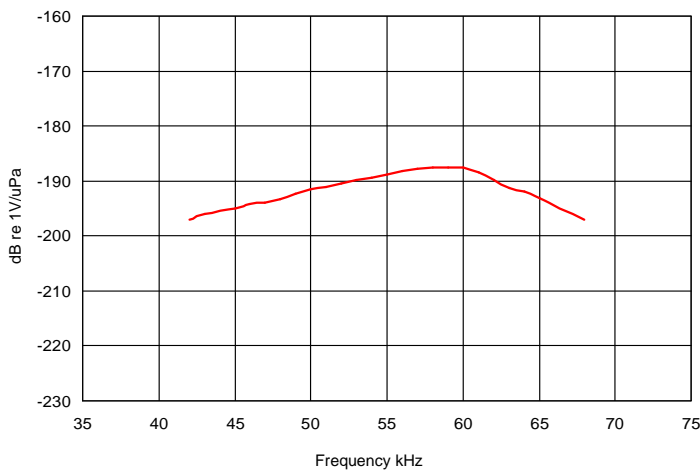
This transducer has been successfully used to track and position ROVs down to depths of 1500 metres.

The anodised aluminium base incorporates a threaded fastening and 'O' ring seal allowing simple and direct mounting onto equipment or pressure housings, washer and nut provided. Electrical connection is via a twisted screen cable.

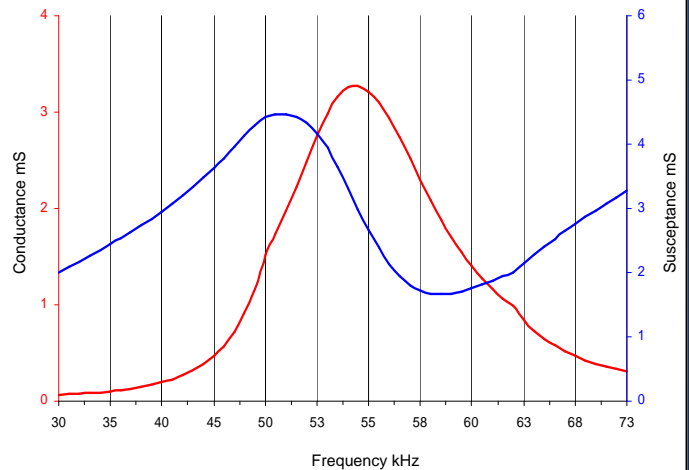
Technical Specification

Resonant Frequency	54 kHz (Nominal)
Useful Frequency Band	45 kHz to 65 kHz
Horizontal Beam Pattern	Omni ± 2 dB up to 60 kHz
Vertical Beam Pattern	Hemispherical
Impedance at Resonance	220 Ohms
Input Power Max	250 Watts pulsed
Operating Depth	1500 Metres
Base Material	Anodised Aluminium
Cable Type	Polyurethane \varnothing 4mm 2 Core Screened
Cable Length	3 Metres Standard Additional lengths supplied to order
Storage Temperature	-40 to +80 °C
Operating Temperature	-5 to +70 °C

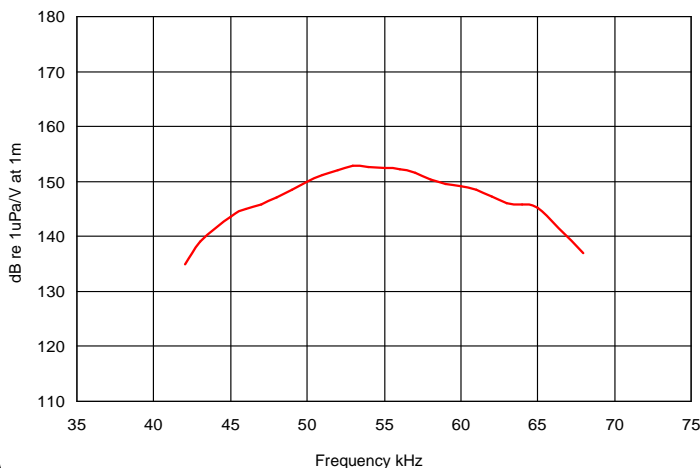
Receive Graph



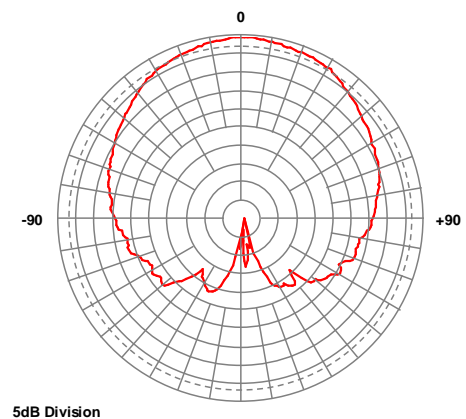
Admittance Plot



Transmit Graph



Beam Pattern Vertical at 54 kHz



Data illustrated is taken from actual in-water measurements