

MODEL T279

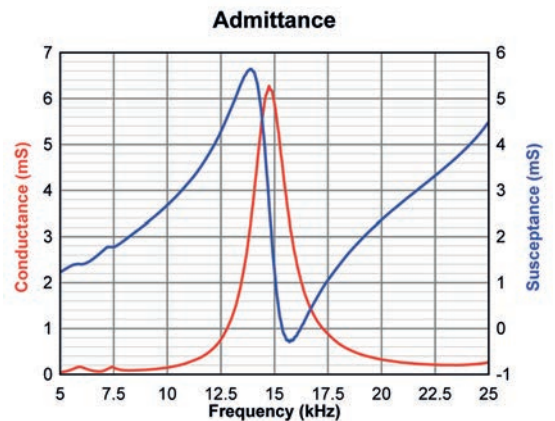
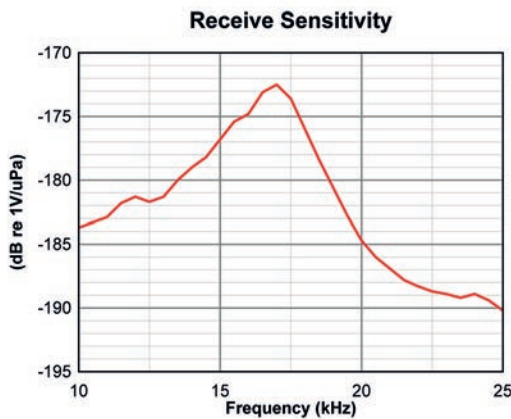


- HEMISPHERICAL BEAM PATTERN
- BROADBAND OPERATION
- DEEP WATER CAPABILITY
- TRANSPONDER
- RANGE TRACKING
- COMMUNICATIONS

The T279 is one of a group of transducers available from Neptune that have been designed for use in transponder beacons, tracking systems, acoustic release mechanisms and data communication systems. A versatile transducer, the T279 combines efficient broadband transmission and reception with a

hemispherical beam pattern. The transducer is moulded onto a stainless steel base which achieves a design that is compact and robust.

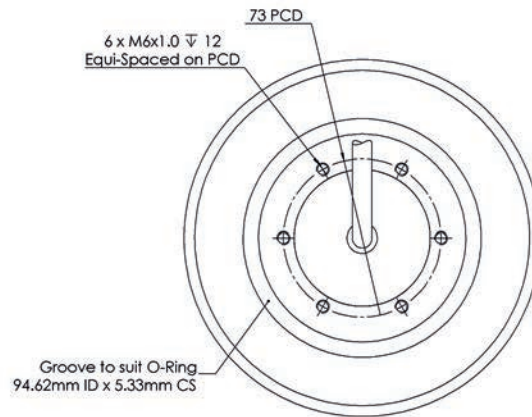
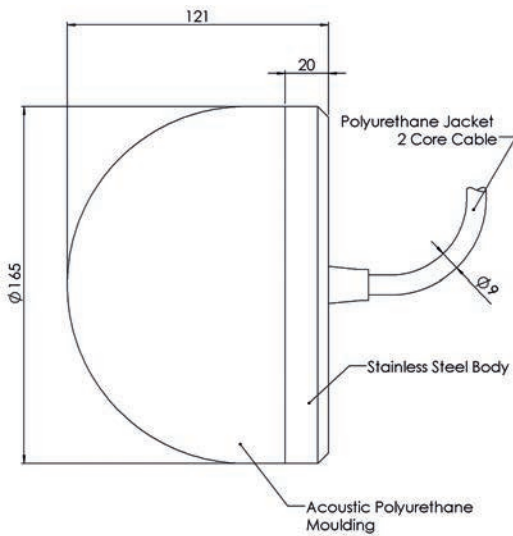
The T279 is available with or without acoustic calibration, traceable to National Standards.



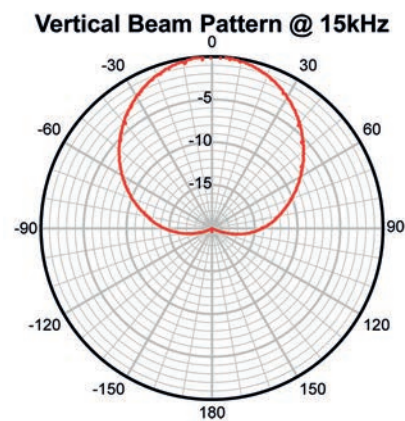
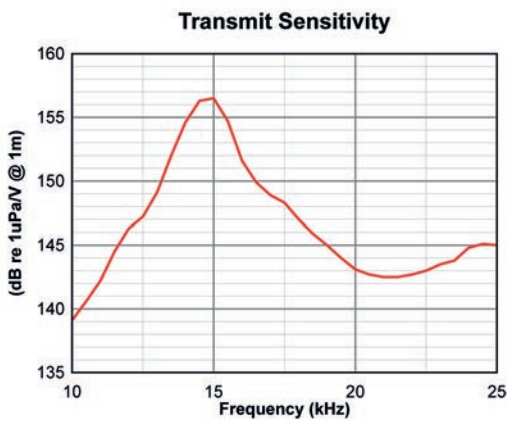
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	15 kHz
Useful Operating Band	12 kHz to 19 kHz
Beam Pattern (Vertical)	Conical (See Graph)
Receive Sensitivity	-173 dB re 1V/μPa
Transmit Sensitivity	156 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 1m cable)	37,000 pF
Transmit Voltage (Max)	750 Vrms
Transmit Voltage / Duty Cycle (Abs. Max)	750 Vrms at 10% 225 Vrms at 100%

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All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	6000m
Weight Air/Water (with 1m cable)	5.5 kg / 3.4 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø9mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	1m standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)