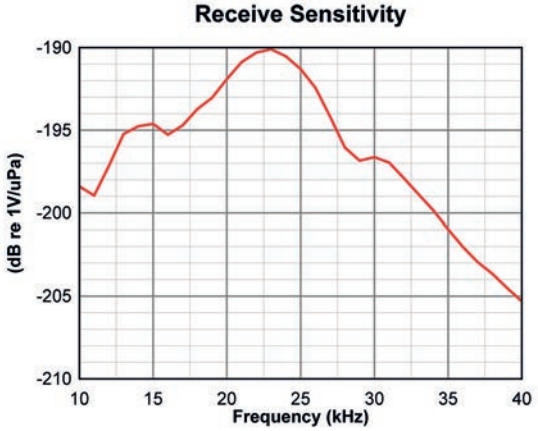
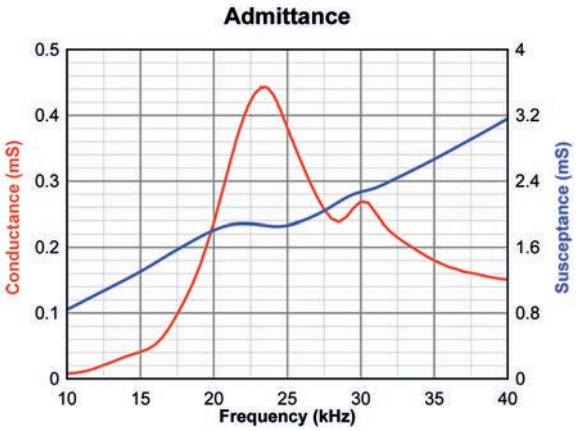
MODEL T257

- *24 KHZ CYLINDRICAL TRANSDUCER*
- *BROADBAND TRANSMISSION*
- *TRANSPONDER*
- *RANGE TRACKING*
- *COMMUNICATIONS*

The Model T257 is designed for use in transponders, beacons, acoustic release mechanisms and data communication systems. The nylon base incorporates threaded fastenings and an 'O' ring seal allowing simple and direct mounting onto equipment or pressure housings.

The T257 is available with or without acoustic calibration, traceable to National Standards.





TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	24 kHz
Useful Operating Band	16 kHz to 30 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-190 dB re 1V/µPa
Transmit Sensitivity	136 dB re 1µPa/V @ 1m
Capacitance at 1 kHz (with 1m cable)	12,000 pF
Transmit Voltage (Max)	600 Vrms
Transmit Voltage / Duty Cycle (Abs. Max)	600 Vrms at 10% 180 Vrms at 100%

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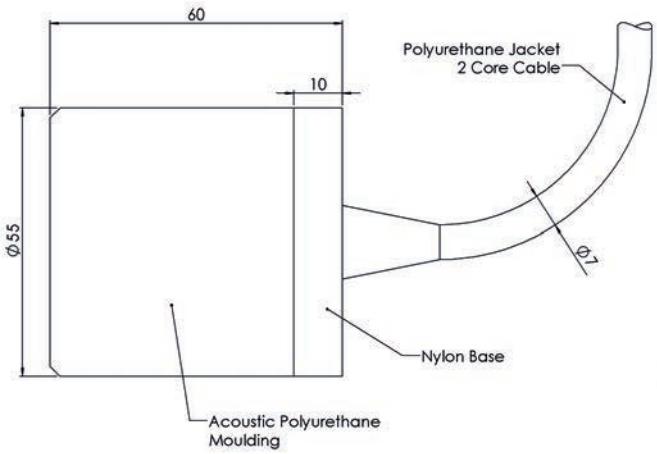
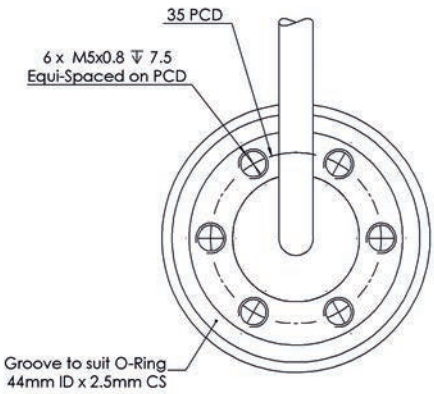
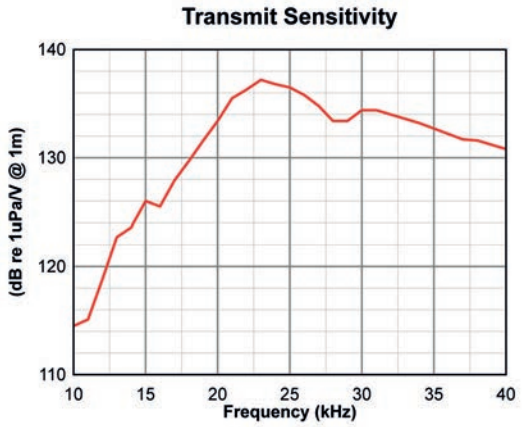
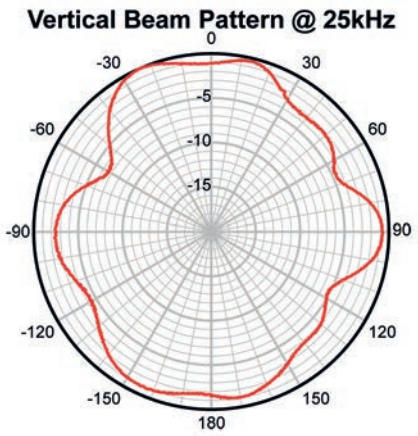




All dimensions in mm





MECHANICAL SPECIFICATION

Operating Depth	2000m
Weight Air/Water (with 1m cable)	0.27 kg / 0.008 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø7mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	1m standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)