

MODEL T406

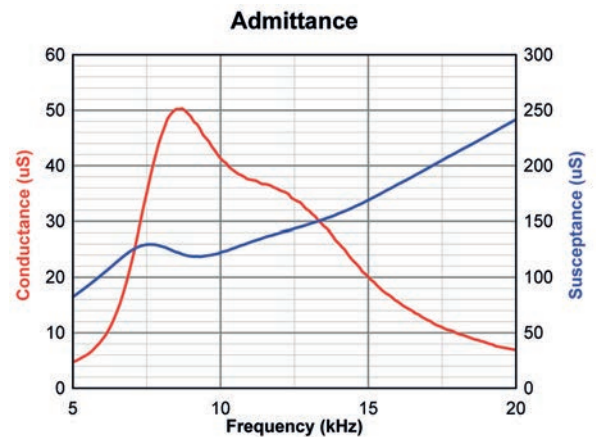
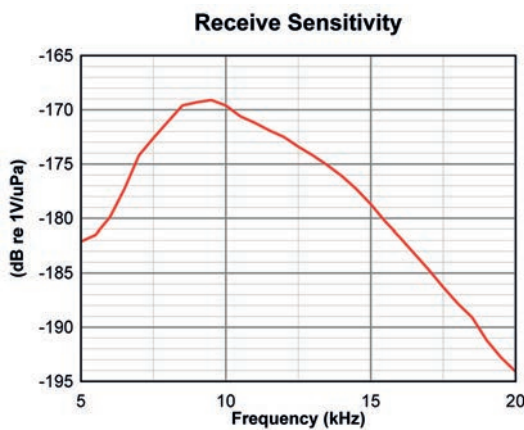


- 9 KHZ FREE FLOODED RING
- BROADBAND
- HIGH POWER
- OMNI-DIRECTIONAL BEAM PATTERN
- UNLIMITED DEPTH
- LONG RANGE TRANSMISSION

The T406 is one of a range of Free Flooded Ring transducers recently introduced by Neptune. Utilising the latest ceramic technology, the FFR concept is ideally suited for high power, broadband, low frequency sound generation. Another advantage of the design is its ability to

operate down to full ocean depth at maximum efficiency.

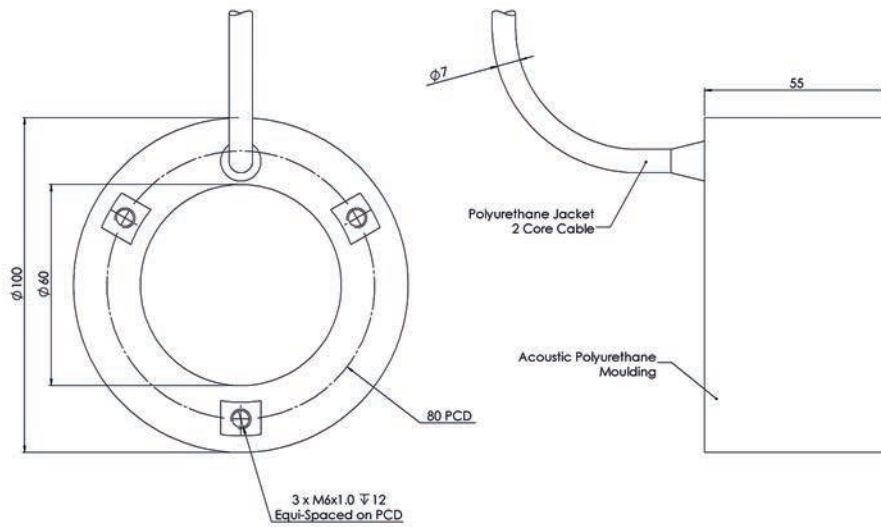
The T406 is available with or without acoustic calibration, traceable to National Standards.



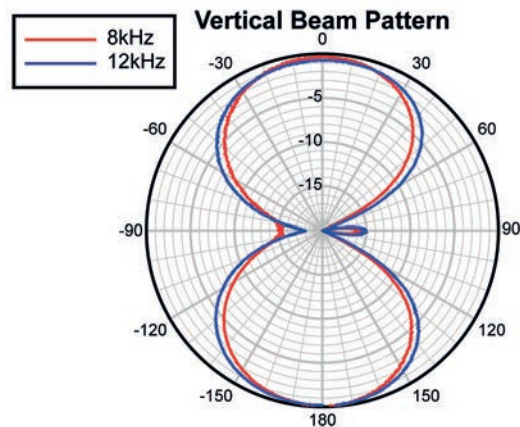
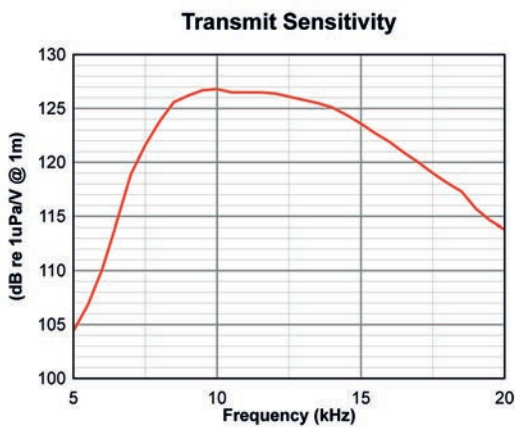
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	9 kHz
Useful Operating Band	8 kHz to 15 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB up to 12 kHz
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-170 dB re 1V/μPa
Transmit Sensitivity	127 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 10m cable)	2,400pF
Transmit Voltage (Abs. Max)	1500 Vrms (Minimum 20m depth)
Transmit Voltage / Duty Cycle (Max)	1500 Vrms at 10% 450 Vrms at 100%

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All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	Unlimited
Weight Air/Water (with 10m cable)	1.5 kg / 0.55 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø7mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	10m Standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)