

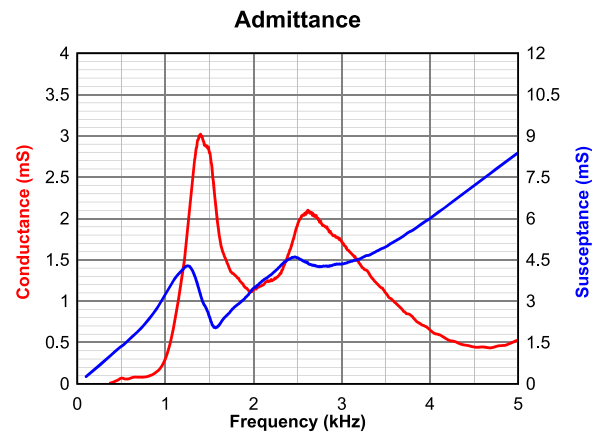
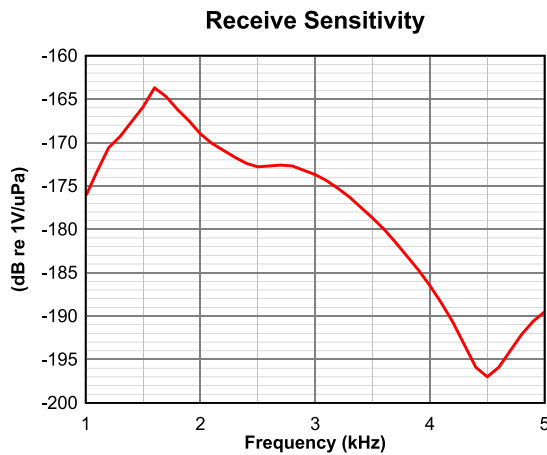
MODEL T589



- 1.4KHZ FREE FLOODED RING
- BROADBAND
- HIGH POWER
- OMNI-DIRECTIONAL BEAM PATTERN
- UNLIMITED DEPTH
- LONG RANGE TRANSMISSION

The T589 is one of a range of high power, low frequency transducers developed by Neptune Sonar.

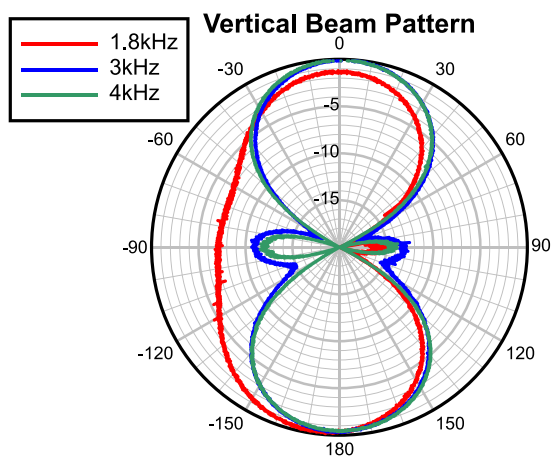
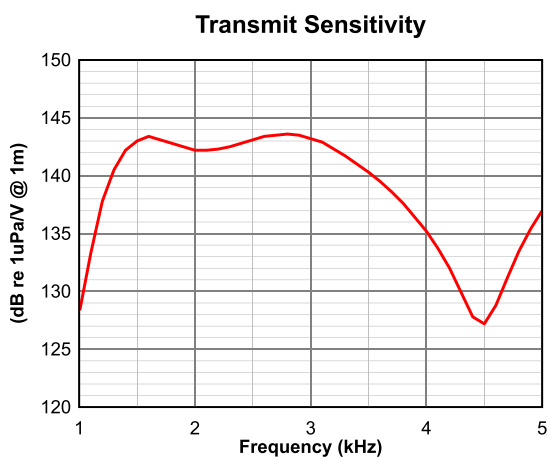
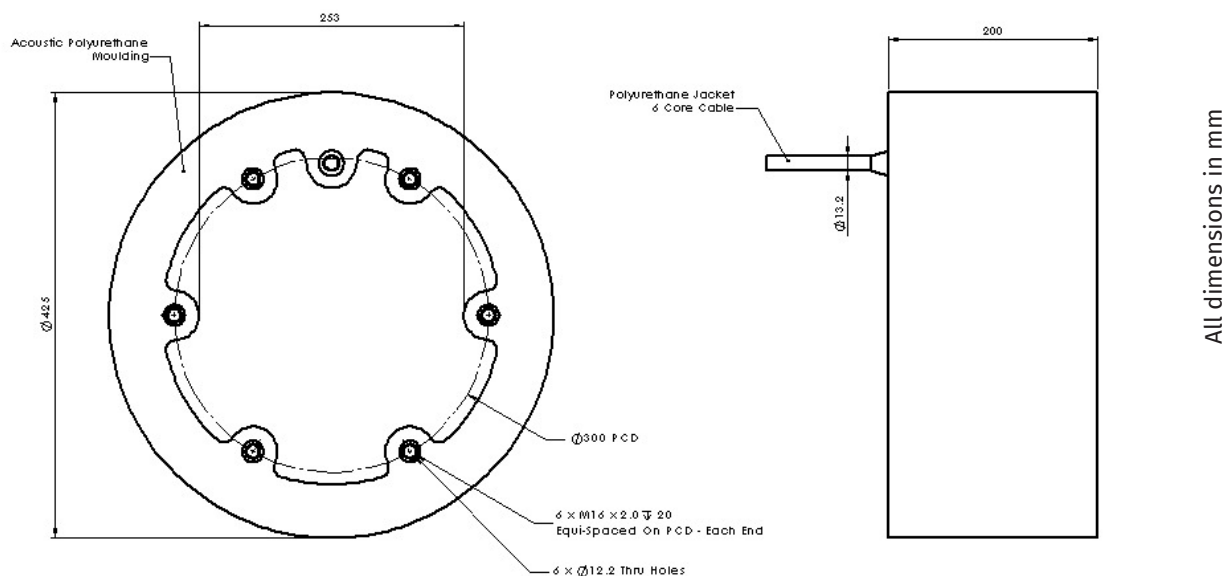
Based upon the standard Free Flooded Ring (FFR) concept, the transducer utilises the latest technology to achieve a highly efficient projector, capable of operating down to full ocean depth.



TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	1.4kHz
Useful Operating Band	1 to 4kHz
Beam Pattern (Horizontal)	Omni +/- 2dB
Beam Pattern (Vertical)	Toroidal (See Graph)
Receive Sensitivity	-165 dB re 1V/μPa
Transmit Sensitivity	143 dB re 1μPa/V @ 1m
Capacitance at 1kHz (with 10m Cable)	495nF
Transmit Voltage (Abs. Max)	1500Vrms (Minimum 10m depth)
Transmit Voltage / Duty Cycle (Max)	1500Vrms at 10% 500Vrms at 100%

MODEL T589



MECHANICAL SPECIFICATION

Operating Depth	2400m
Weight Air / Water	40Kg / 24Kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø13.2mm Polyurethane Jacket, 6 Core
Cable Length	10m Standard (Additional lengths supplied to order)