

# MODEL T218

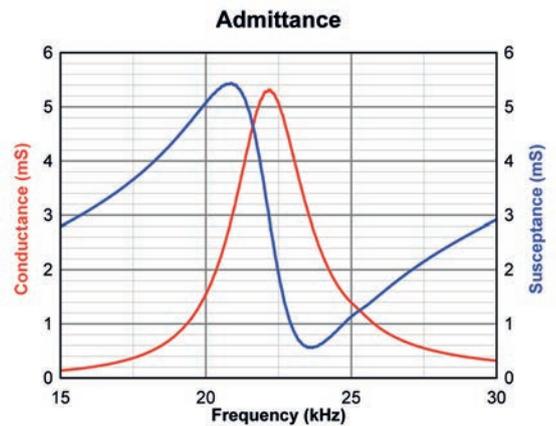
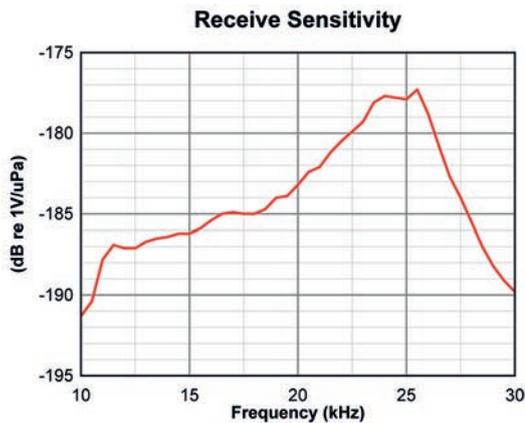


- **HEMISPHERICAL BEAM PATTERN**
- **BROADBAND TRANSMISSION**
- **DEEP WATER CAPABILITY**
- **TRANSPONDER**
- **RANGE TRACKING**
- **COMMUNICATIONS**

The T218 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 T218 combines efficient broadband transmission and reception with an hemispherical beam pattern. The over moulded

construction achieves a design that is compact, lightweight and robust.

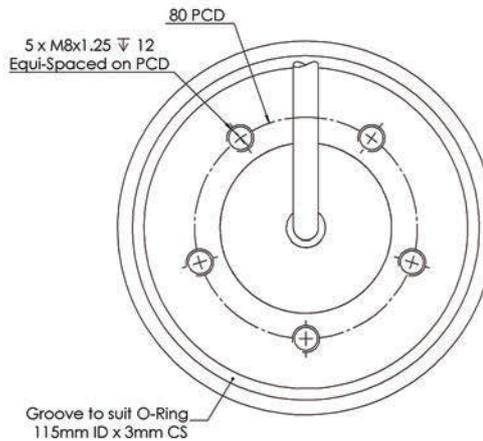
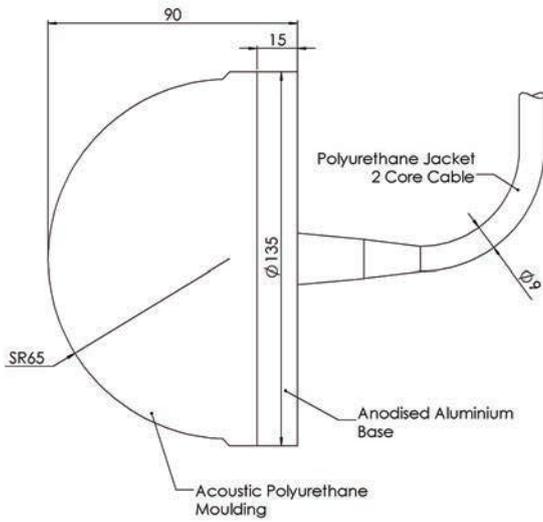
The T218 is available with or without acoustic calibration, traceable to National Standards.



## TECHNICAL SPECIFICATION

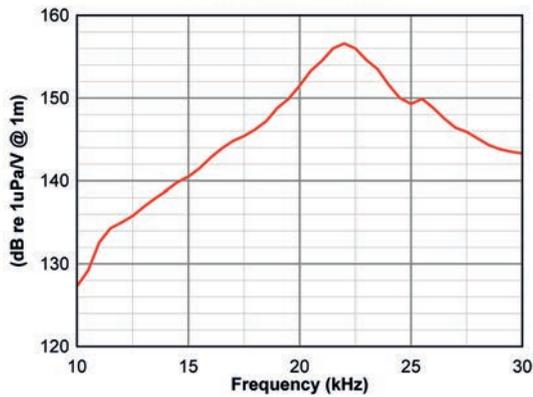
Resonant Frequency (Nominal)	22 kHz
Useful Operating Band	16 kHz to 30 kHz
Beam Pattern	Conical (See Graph)
Receive Sensitivity	-178 dB re 1V/μPa
Transmit Sensitivity	155 dB re 1μPa/V @ 1m
Capacitance at 1 kHz (with 1m cable)	25,000 pF
Transmit Voltage (Max)	600 Vrms
Transmit Voltage / Duty Cycle (Abs. Max)	600 Vrms at 10% 190 Vrms at 100%

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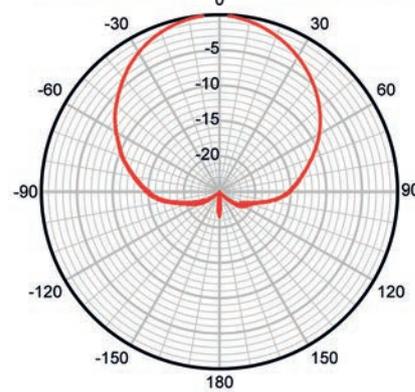


All dimensions in mm

**Transmit Sensitivity**



**Vertical Beam Pattern @ 22kHz**



## MECHANICAL SPECIFICATION

Operating Depth	6000m
Weight Air/Water (with 1m cable)	2.1 kg / 1.1 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)