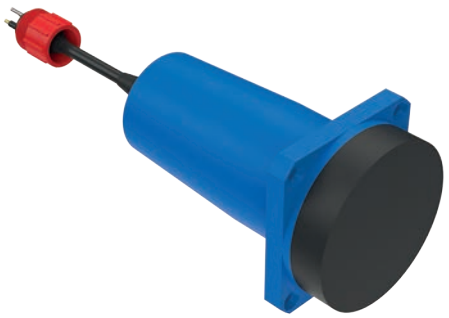
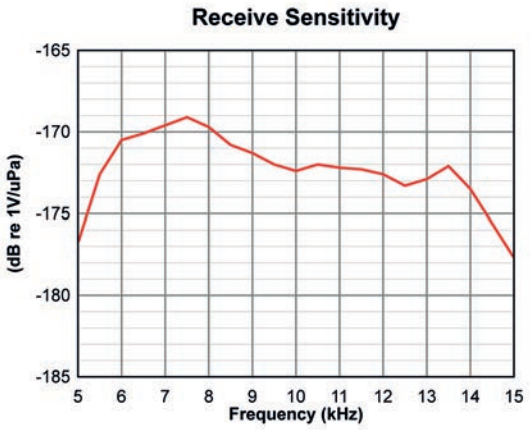
# MODEL T444

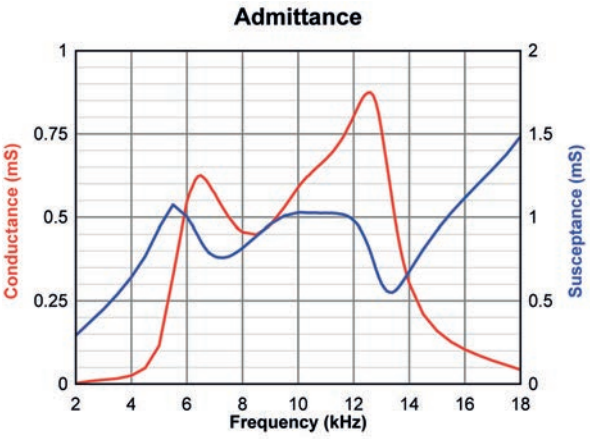


- *6.5 KHZ BROADBAND PROJECTOR*
- *HIGH POWER*
- *DIRECTIONAL BEAM PATTERN*
- *HIGH PERFORMANCE*
- *LONG RANGE TRANSMISSION*

The T444 is a single tonpilz transducer offering a high power, broadband performance. With a nominal operating frequency range from 5.5 kHz to 14 kHz, these transducers can be configured to form half lambda spaced arrays. The robust design is tolerant of both dynamic and static pressure, making it particularly suitable for both commercial and military applications.

The T444 is available with or without acoustic calibration, traceable to National Standards.




## TECHNICAL SPECIFICATION

| | |
|---|---|
| Resonant Frequency (Nominal) | 6.5 kHz |
| Useful Operating Band | 5.5 kHz to 14 kHz |
| Nominal Impedance | 1500 Ω |
| Beam Pattern | Conical (See Graph) |
| Receive Sensitivity | 170 dB re 1V/µPa |
| Transmit Sensitivity | 143 dB re 1µPa/V @ 1m |
| Transmit Voltage (Abs. Max) | 750 Vrms |
| Transmit Voltage / Duty Cycle (Max) | 750 Vrms at 10%<br>350 Vrms at 100% |

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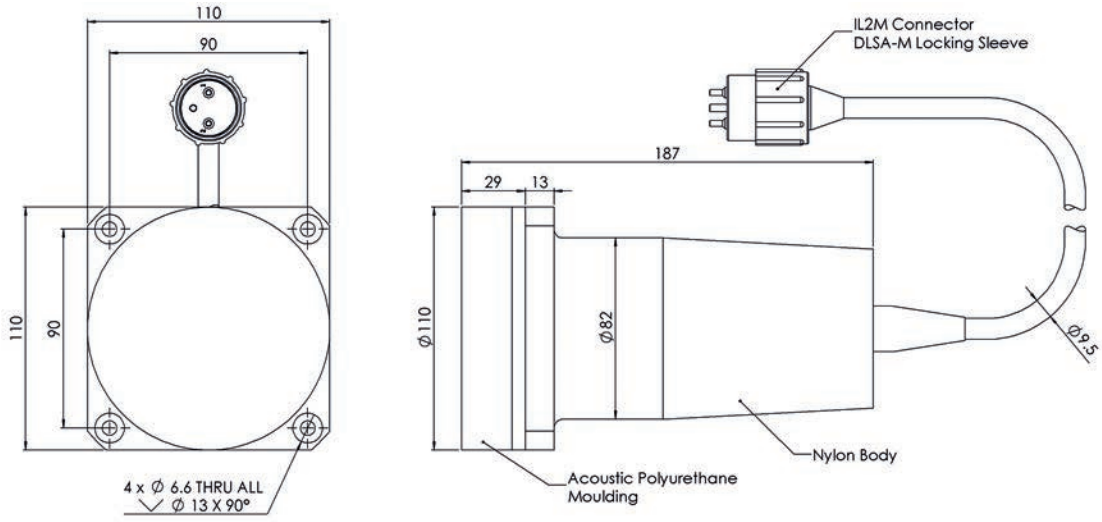
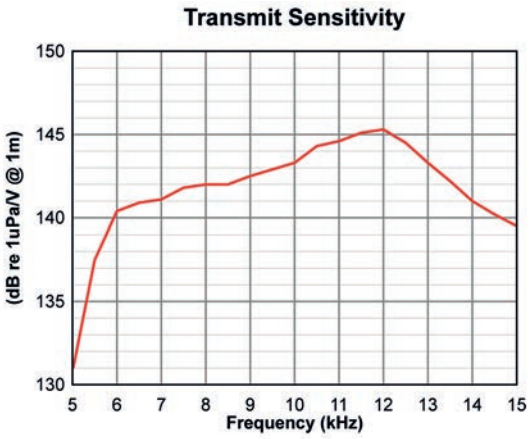
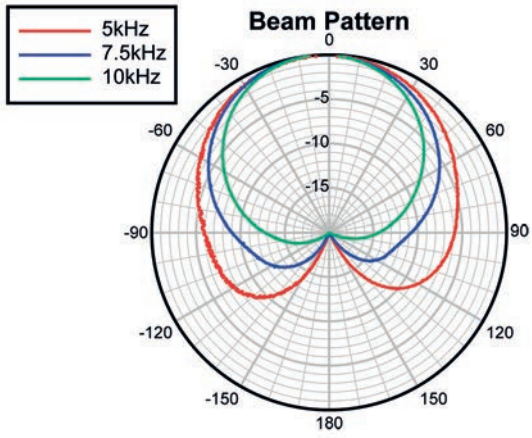



All dimensions in mm




## MECHANICAL SPECIFICATION

| | |
|---|---|
| Operating Depth | 600m |
| Weight Air / Water | 2.8 kg / 1.6 kg |
| Operating Temperature | -5 to +40 °C |
| Storage Temperature | -40 to +80 °C |
| Cable Type | Ø9.5mm Chloroprene Rubber Twisted Pair<br>(Optional Ø9mm Polyurethane, Screened Twisted Pair) |
| Cable Length | 0.1m |
| Connector | SubConn IL2M with DLSA-M Locking Sleeve |
| Extension Cable / Connector | Ø9mm Polyurethane, Screened Twisted Pair with SubConn IL2F with DLSA-F Locking Sleeve (Optional) |