

MODEL D/11/BB

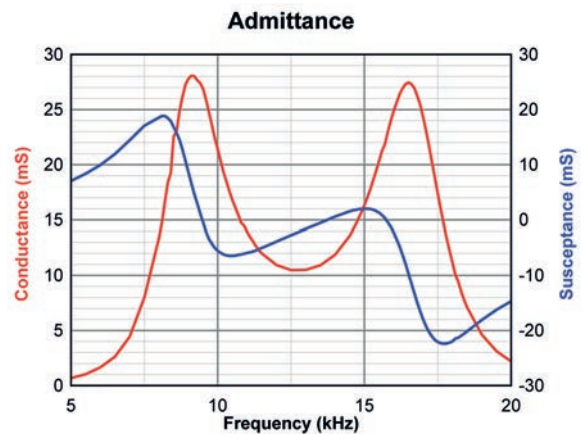
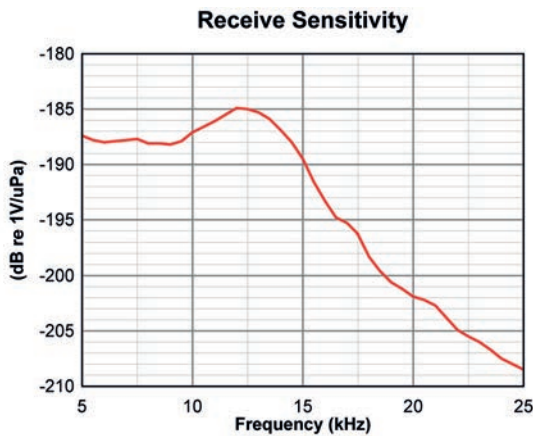


- NEAR OCTAVE BANDWIDTH
- OMNI-DIRECTIONAL RESPONSE
- EFFICIENT TRANSMITTER
- HIGH POWER PROJECTOR
- DEEP WATER CAPABILITY

The D/11/BB is a wide band, highly efficient, omni-directional transmit and receive transducer, with a 3dB bandwidth from 8 kHz to 18 kHz. The robust, corrosion free construction enables the transducer to operate in extreme underwater environments. The over-moulded design enables the D/11/BB to

be mechanically robust and suitable for harsh environments.

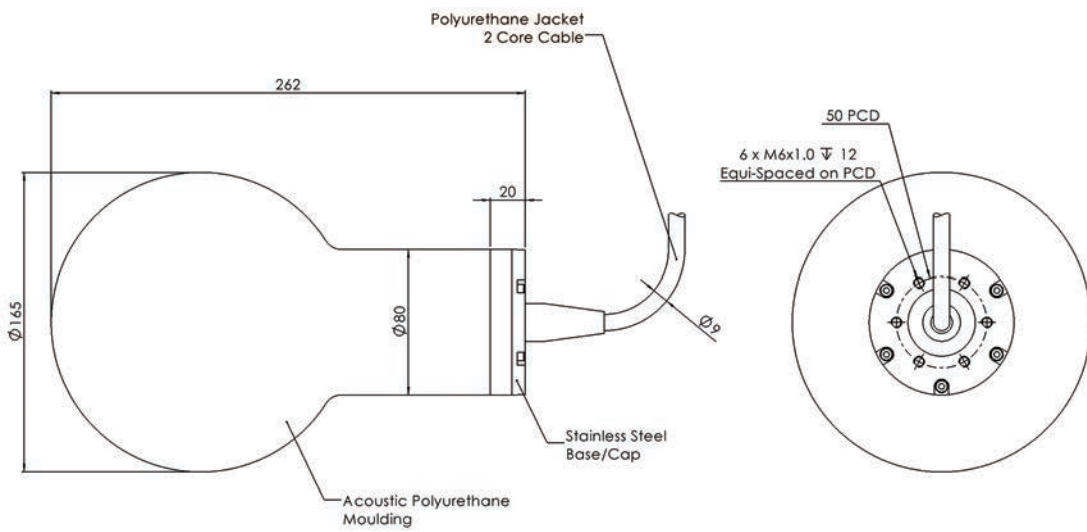
The D/11/BB is available with or without acoustic calibration, traceable to National Standards.



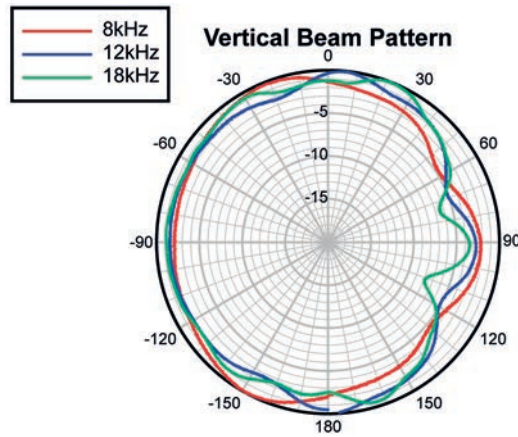
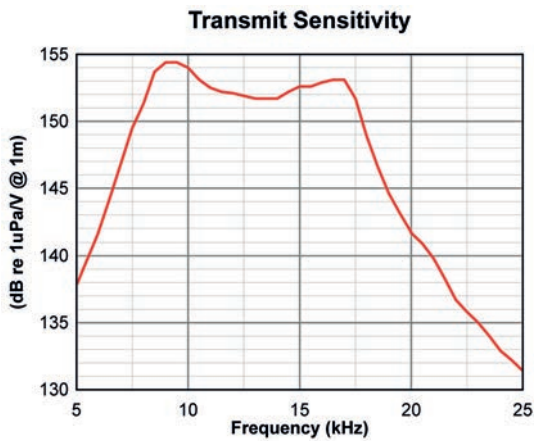
TECHNICAL SPECIFICATION

Resonant Frequency (Nominal)	9 / 16.5 kHz
Useful Operating Band	8 kHz to 18 kHz
Beam Pattern (Horizontal)	Omni ± 2 dB
Beam Pattern (Vertical)	Hemispherical (See Graph)
Receive Sensitivity	-185 dB re 1V/μPa
Transmit Sensitivity	153 dB re 1μPa/V @ 1m
Transmit Voltage (Abs. Max)	300 Vrms @ f > 5kHz 700 Vrms @ f < 5kHz
Transmit Voltage / Duty Cycle (Max)	300 Vrms at 10% 80 Vrms at 100%

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All dimensions in mm



MECHANICAL SPECIFICATION

Operating Depth	2000m Standard (May require an export licence)
Weight Air / Water (with 10m cable)	7.7 kg / 4.2 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø9mm Polyurethane Jacket, Screened Twisted Pair
Cable Length	10m Standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional BNC or Customer Specific)