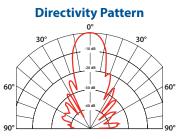
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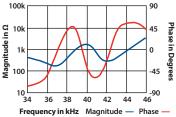
SPECIFICATIONS

Best Operating Frequency: 41 kHz, ±4% Minimum Transmit Sensitivity at Best Transmit Frequency: 110 dB re 1µPa/V at 1 m Minimum Receive Sensitivity at Best Receive Frequency: -160 dB re 1V/µPa Minimum Parallel Resistance: 150 Ω , ±30% Minimum and Maximum Sensing Range*: 30 cm to 20 m Typical Sensing Range: 35 cm to 15 m Free (1 kHz) Capacitance: 5,000 pF, ±20% pF Beamwidth (@ -3 dB Full Angle): 14°, ±2° Maximum Driving Voltage (2% Duty Cycle Tone Burst): 1,800 V_{pp} Operating Temperature: -40°C to 90°C Weight: 560 g Housing Material: Glass filled polyester Acoustic Window: Glass reinforced epoxy

*Pulse-Echo Mode. Minimum and maximum ranges are best case scenarios. Actual range may vary, depending on drive circuitry and signal processing.







Transmit & Receive Voltage Response

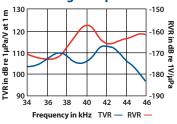
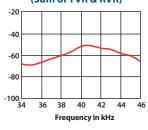


Figure of Merit (Sum of TVR & RVR)



41 kHz AIRDUCER[°] Ultrasonic Transducer

Applications

- Level measurement
- Proximity
- Obstacle avoidance
- Traffic control
- Flow measurement

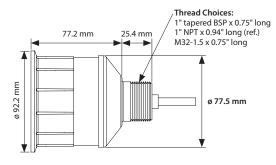
Features

- Rugged sealed construction
- Housing design will accommodate transceiver and signal processing electronics
- Standard internal shielding

Options

- Complete assembly available with standard cable lengths
- Mounting cap available in BSP, NPT, or M32 threads
- Available in PVDF housing for use in chemically aggressive environments
- 10 KΩ thermistor available for temperature compensation

Dimensions



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