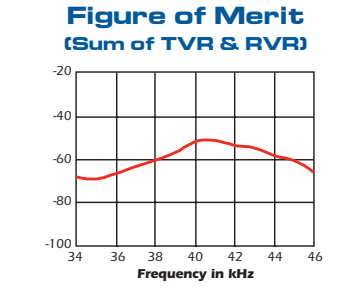
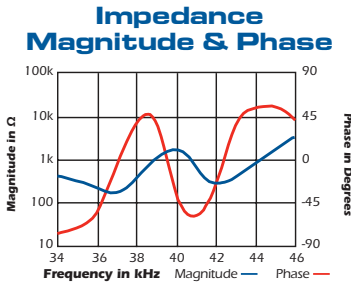
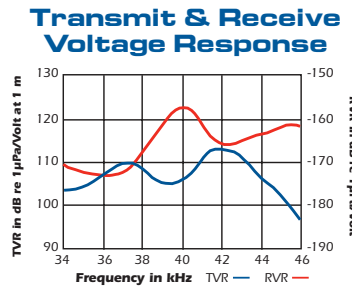
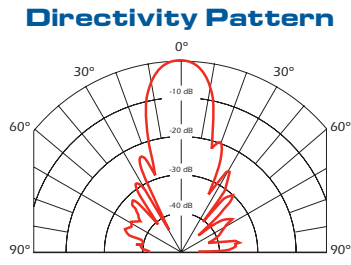




| SPECIFICATIONS  |                        |
|---|------------------------|
| <b>Best Operating Frequency:</b>                                | 41 kHz, ±4%            |
| <b>Minimum Transmit Sensitivity at Best Transmit Frequency:</b> | 110 dB, 1μPa/V at 1 m  |
| <b>Minimum Receive Sensitivity at Best Receive Frequency:</b>   | -160 dB re 1V/μPa      |
| <b>Minimum Parallel Resistance:</b>                             | 150 Ω, ±30%            |
| <b>Minimum and Maximum Sensing Range*:</b>                      | 30 cm to 20 m          |
| <b>Typical Sensing Range:</b>                                   | 35 cm to 15 m          |
| <b>Free (1 kHz) Capacitance:</b>                                | 5,000 pF, ±500 pF      |
| <b>Beamwidth (@ -3 dB Full Angle):</b>                          | 14°, ±2°               |
| <b>Maximum Driving Voltage (2% Duty Cycle Tone Burst):</b>      | 1,800 V <sub>pp</sub>  |
| <b>Operating Temperature:</b>                                   | -40°C to 90°C          |
| <b>Weight:</b>  | 560 g                  |
| <b>Housing Material:</b>  | Glass filled polyester |
| <b>Acoustic Window:</b>   | 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.



## 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
- Mounting cap available in BSP, NPT, or M32 threads
- Standard internal shielding

### Options

- Complete assembly available with standard cable lengths
- 10 KΩ thermistors are optional for temperature compensation
- FM approved

### Dimensions

