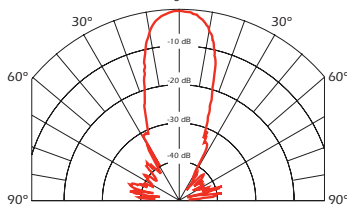


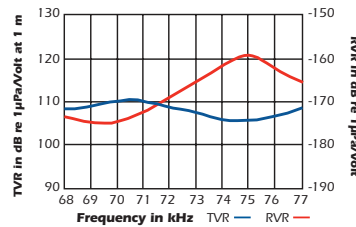
SPECIFICATIONS	
Best Operating Frequency:	75 kHz, ±4%
Minimum Transmit Sensitivity at Best Transmit Frequency:	110 dB, 1μPa/V at 1 m
Minimum Receive Sensitivity at Best Receive Frequency:	-160 dB re 1V/μPa
Minimum Parallel Resistance:	150 Ω, ±30%
Minimum and Maximum Sensing Range*:	20 cm to 10 m
Typical Sensing Range:	25 cm to 7 m
Free (1 kHz) Capacitance:	1,850 pF, ±200 pF
Beamwidth (@ -3 dB Full Angle):	14°, ±2°
Maximum Driving Voltage (2% Duty Cycle Tone Burst):	1,000 V _{pp}
Operating Temperature:	-40°C to 90°C
Weight:	50 g
Housing Material:	PVDF
Acoustic Window:	PVDF

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

Directivity Pattern



Transmit & Receive Voltage Response



Impedance Magnitude & Phase

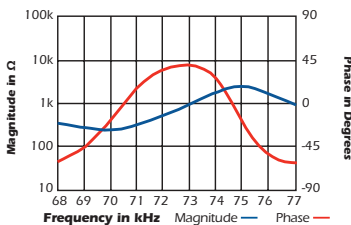
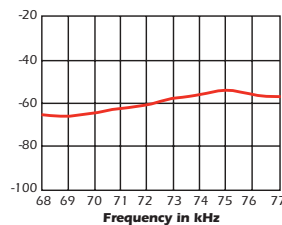


Figure of Merit (Sum of TVR & RVR)



75 kHz

AIRDUCER® Ultrasonic Transducer

Applications

- Level measurement
- Automation control
- Food processing
- Proximity
- Obstacle avoidance
- Robotics

Features

- Rugged one-piece PVDF housing
- Resistant to chemically aggressive environments
- Cylindrical design allows for installation in various applications

Options

- Temperature sensor

Dimensions

