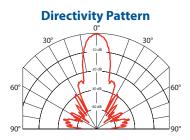
ATK120

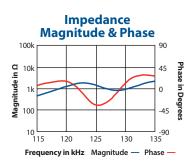


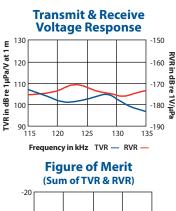
SPECIFICATIONS

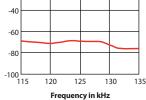
Best Operating Frequency: 125 kHz, $\pm 4\%$ Minimum Transmit Sensitivity at Best Transmit Frequency: 102 dB re 1µPa/V at 1 m Minimum Receive Sensitivity at Best Receive Frequency: -172 dB re 1V/µPa Minimum Parallel Resistance: 500 Ω, $\pm 30\%$ Minimum and Maximum Sensing Range*: 15 cm to 5 m Typical Sensing Range: 20 cm to 3 m Free (1 kHz) Capacitance: 1,000 pF, $\pm 20\%$ pF Beamwidth (@ -3 dB Full Angle): 10°, $\pm 2^{\circ}$ Maximum Driving Voltage (2% Duty Cycle Tone Burst): 800 V_{pp} Operating Temperature: -40°C to 90°C Weight: 30 g Housing Material: Kynar[®] 720 Acoustic Window: Kynar[®] 720

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









125 kHz AIRDUCER[°] Ultrasonic Transducer

Applications

- Level measurement in chemically aggressive environments
- Automation control
- Food and beverage processing
- Proximity sensing
- Obstacle avoidance

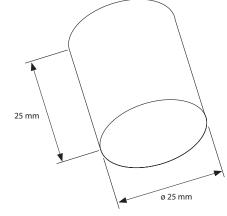
Features

- Rugged one-piece PVDF housing is U.S. FDA compliant
- Cylindrical design allows for installation in various applications

Options

10 KΩ thermistor available for temperature compensation

Dimensions



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