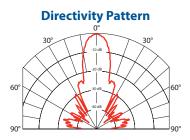
# ATK120

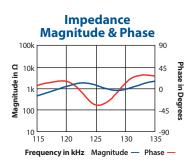


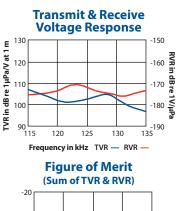
#### SPECIFICATIONS

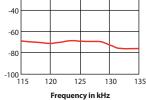
Best Operating Frequency: 125 kHz,  $\pm 4\%$ Minimum Transmit Sensitivity at Best Transmit Frequency: 102 dB re 1µPa/V at 1 m Minimum Receive Sensitivity at Best Receive Frequency: -172 dB re 1V/µPa Minimum Parallel Resistance: 500 Ω,  $\pm 30\%$ Minimum and Maximum Sensing Range\*: 15 cm to 5 m Typical 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<sub>pp</sub> Operating Temperature: -40°C to 90°C Weight: 30 g Housing Material: Kynar<sup>®</sup> 720 Acoustic Window: Kynar<sup>®</sup> 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<sup>°</sup> Ultrasonic Transducer

#### **Applications**

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

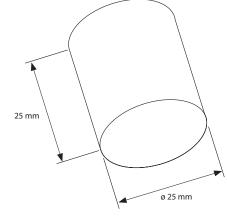
#### **Features**

- 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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