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AT-2830-TWT-R 28mm Transducer

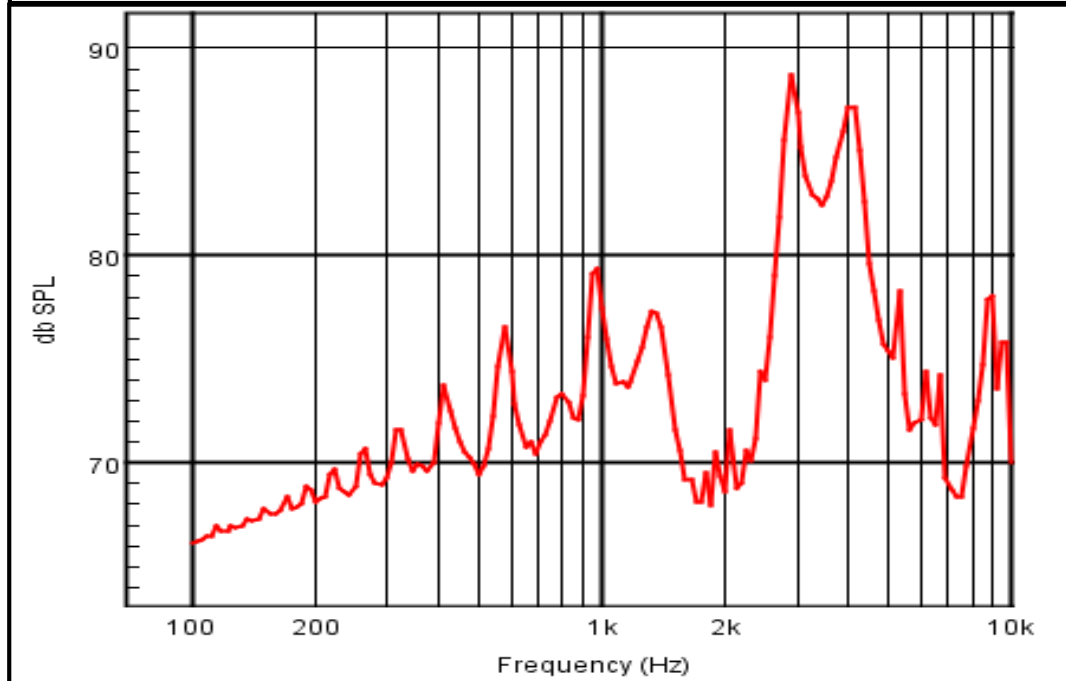
3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 28.5mm diameter piezo-electric transducer with thru-hole pins
- 93 dBA minimum output (12 Vp-p @ 10 cm) and 3 kHz resonant frequency
- ABS housing and removable wash tag preserves performance

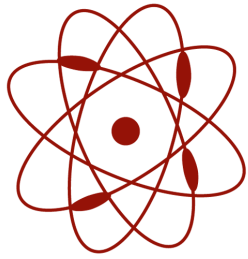


Frequency Response (3Vp-p @ 0.1 meters)



RoHS Compliant





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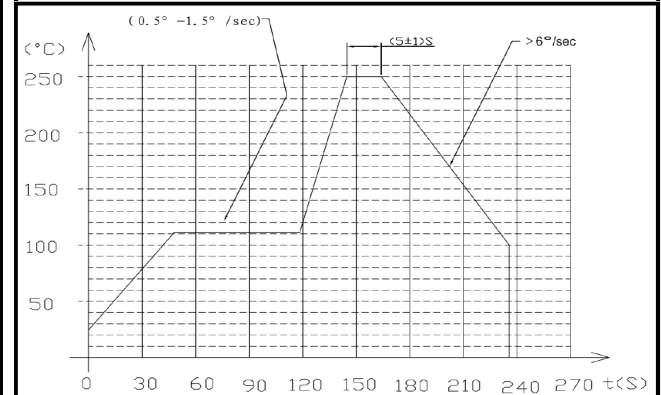
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Mechanical and Environment Testing

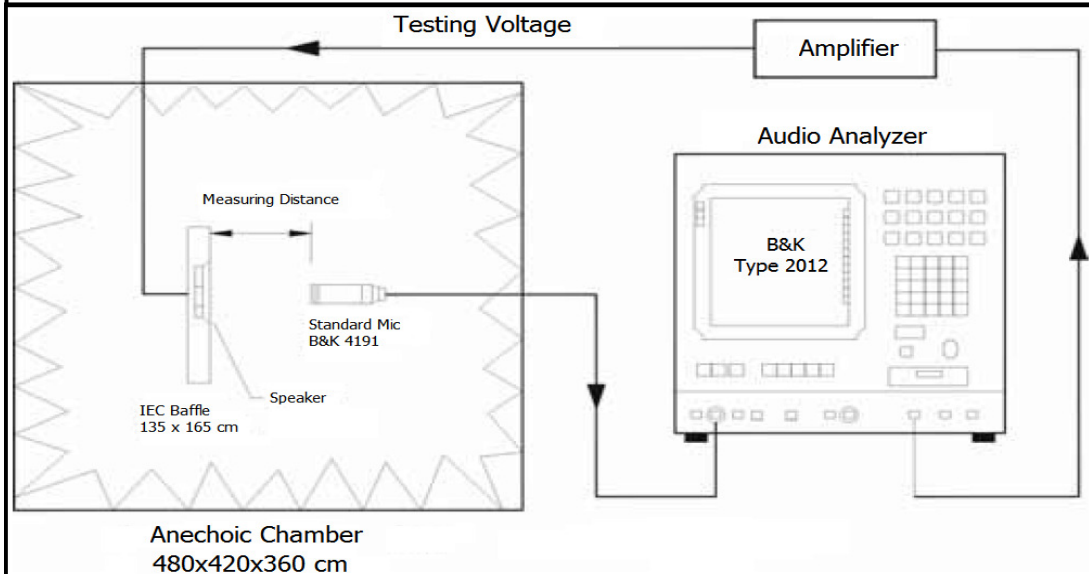
Test Description	Test Condition
High Temperature	95°C (±2°C) with random humidity for 240 hours
Low Temperature	-40°C (±2°C) with random humidity for 240 hours
Humidity	40°C (±2°C) with 90% to 95% relative humidity for 240 hours
Vibration	0.75 mm movement modulated at 10-55 Hz for 3 hours
Drop Test	100 cm free fall onto wood board, 10 cycles
Temperature Cycle Test	-40°C to 95°C, ten 3 hour cycles

After tests, part shall rest for 2 hours. Parts are then tested for clean, pure tones.

Wave Solder Profile



Frequency Response and SPL Measurement Setup



Recommended Drive Circuit

