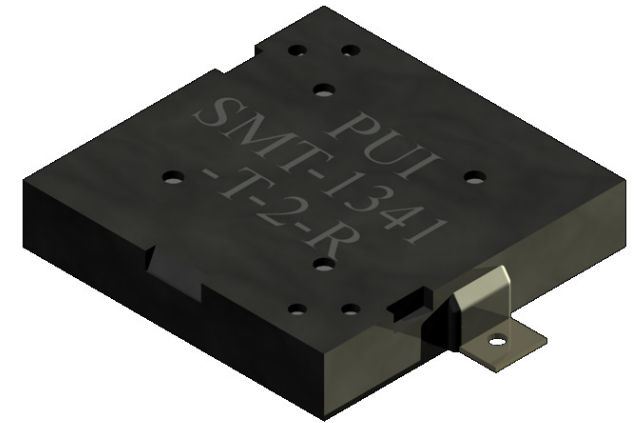


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audio™ inc
a projects unlimited company

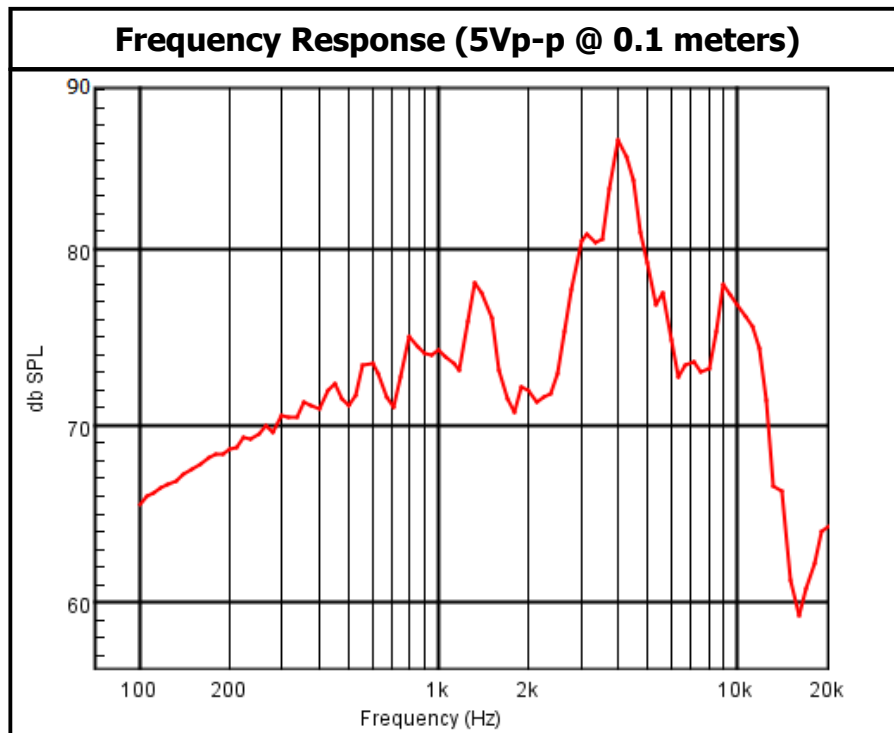
SMT-1341-T-2-R 12.5 x 12.5mm Transducer



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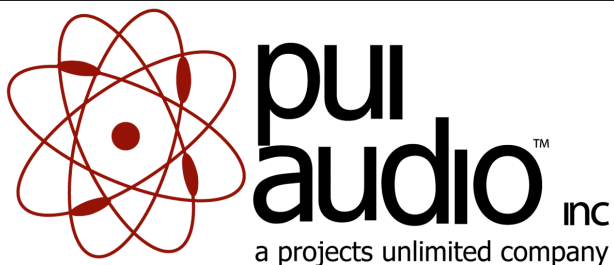
Product Overview

- Top-firing piezo-electric transducer designed for 1 to 25 Vp-p
- Small footprint and ultra-thin 2.5mm height for use in modern devices
- 4,100 Hz resonant frequency for device localization
- Designed for reflow soldering with a lead-free reflow profile



RoHS Compliant





SMT-1341-T-2-R

12.5 x 12.5mm

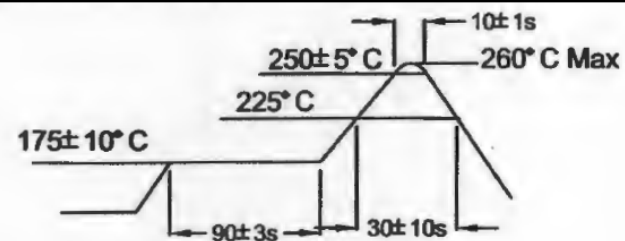
Transducer

Mechanical and Environment Testing

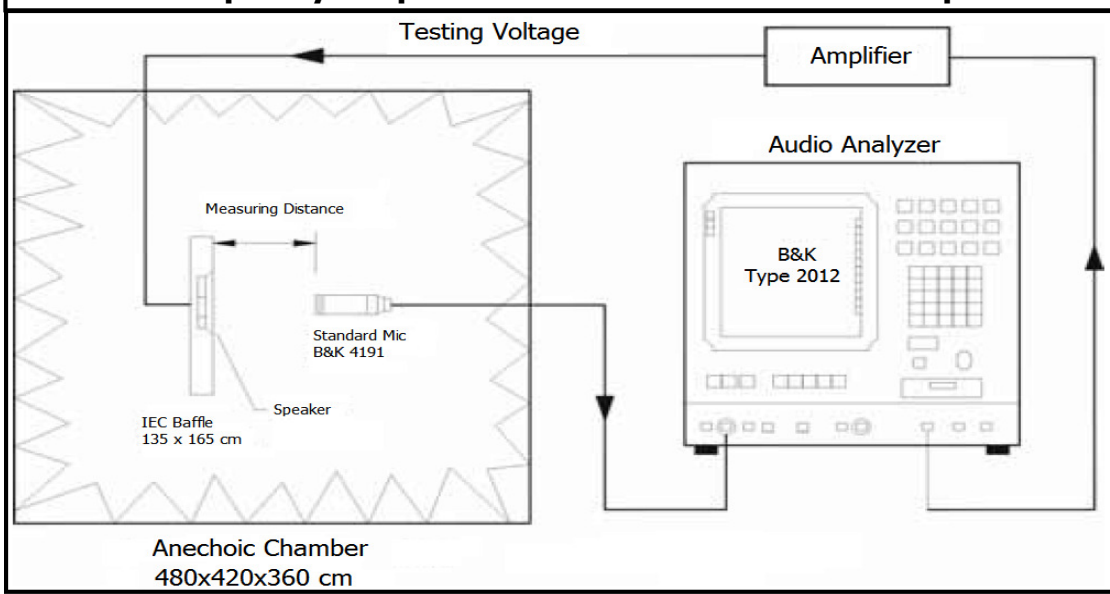
Test Description	Test Condition
High Temperature	120°C with random humidity for 240 hours
Low Temperature	-40°C with random humidity for 240 hours
Humidity	40°C ($\pm 2^\circ\text{C}$) with 90% to 95% relative humidity for 240 hours
Vibration	1.52 mm movement modulated at 10-55 Hz in 3 directions for 6 hours total
Shock Test	100 m/s ² force on three axis, 3 cycles
Temperature Cycle Test	-40°C to 105°C, five 90 minute cycles

After testing, part shall rest for 2 hours and then be tested for a clean, pure tone.

Recommended Reflow Profile



Frequency Response and SPL Measurement Setup



Recommended Land Pattern

