

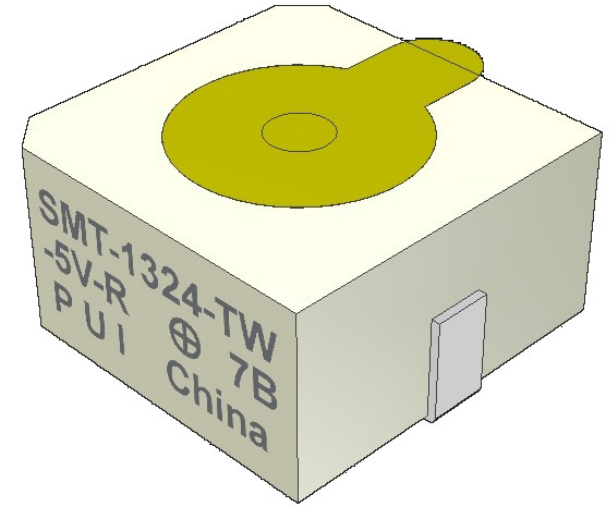


pui
audio™ inc
a projects unlimited company

SMT-1324-TW-5V-R

12.5x12.5mm

Transducer

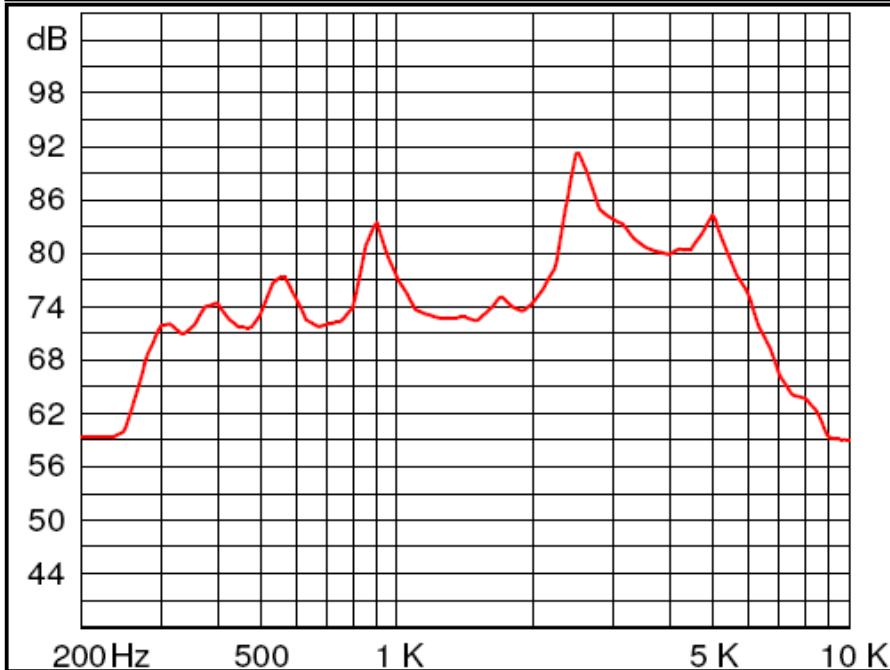


3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- Top-firing electromechanical transducer designed for 4 to 8 Vp-p
- Small footprint with loud 85 dB output
- 2,400 Hz resonant frequency targets most sensitive region of human hearing
- Designed for reflow soldering with a lead-free reflow profile

Frequency Response (5Vp-p @ 0.1 meters)



RoHS Compliant





SMT-1324-TW-5V-R

12.5x12.5mm

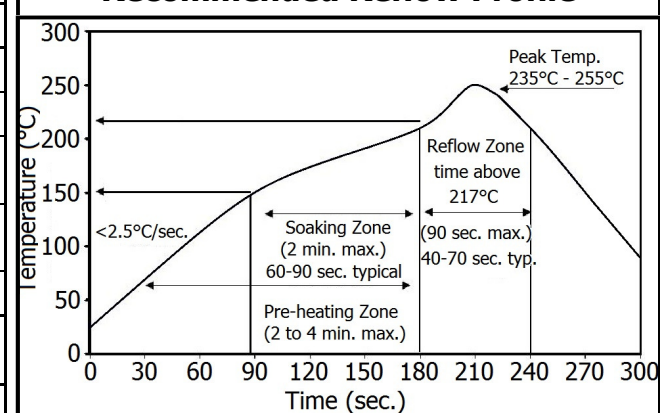
Transducer

Mechanical and Environment Testing

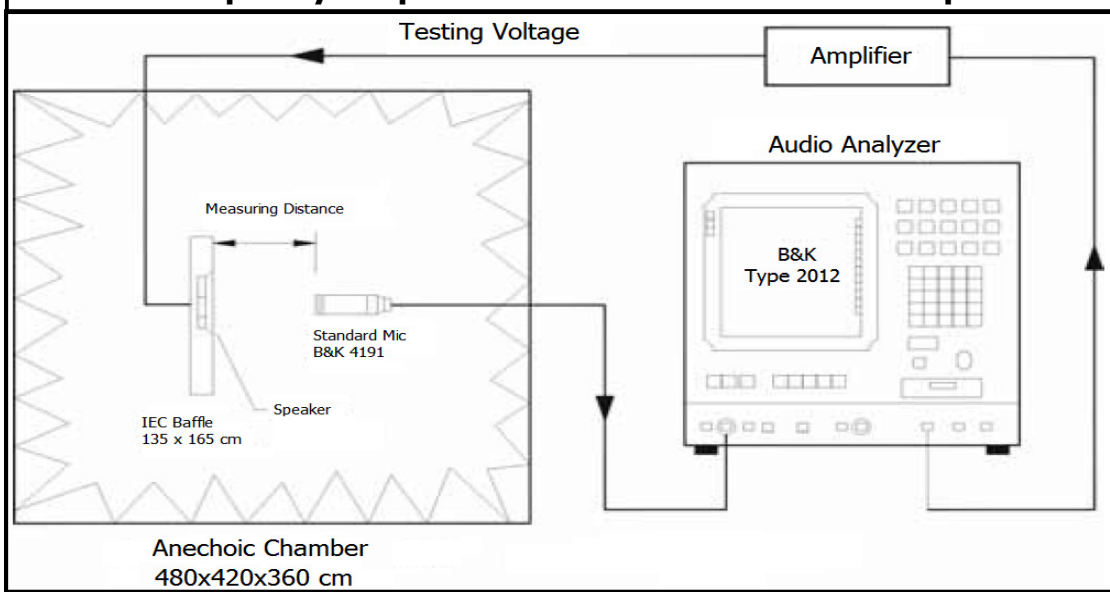
Test Description	Test Condition
High Temperature	85°C (±2°C) with random humidity for 96 hours
Low Temperature	-30°C (±2°C) with random humidity for 96 hours
Humidity	40°C (± 2°C) with 90% to 95% relative humidity for 96 hours
Vibration	0.75 mm movement modulated at 10-55 Hz in 3 directions for 6 hours total
Drop Test	100 cm free fall in six directions, 3 cycles
Temperature Cycle Test	-30°C to 80°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

