

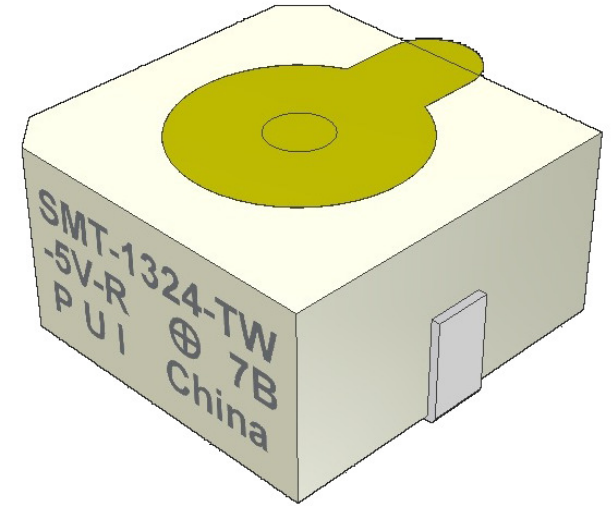


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**audio**™ inc  
a projects unlimited company

# SMT-1324-TW-5V-R

## 12.5x12.5mm

### Transducer

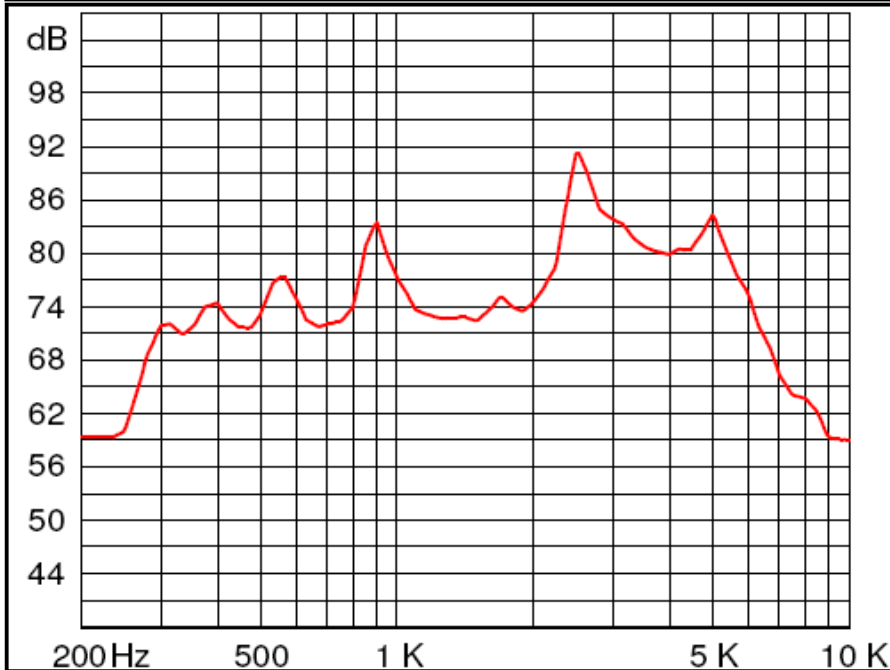


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### Product Overview

- 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





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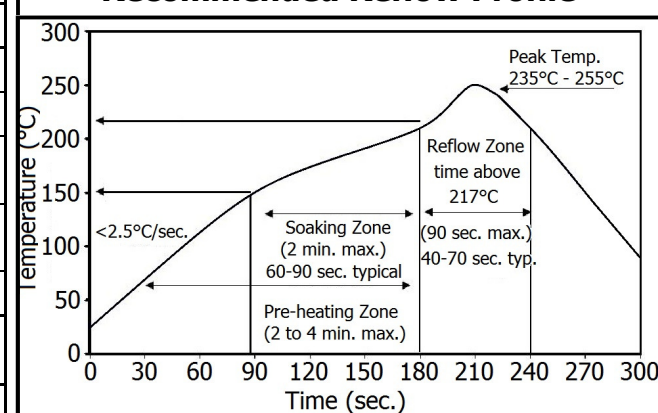
### Transducer

#### Mechanical and Environment Testing

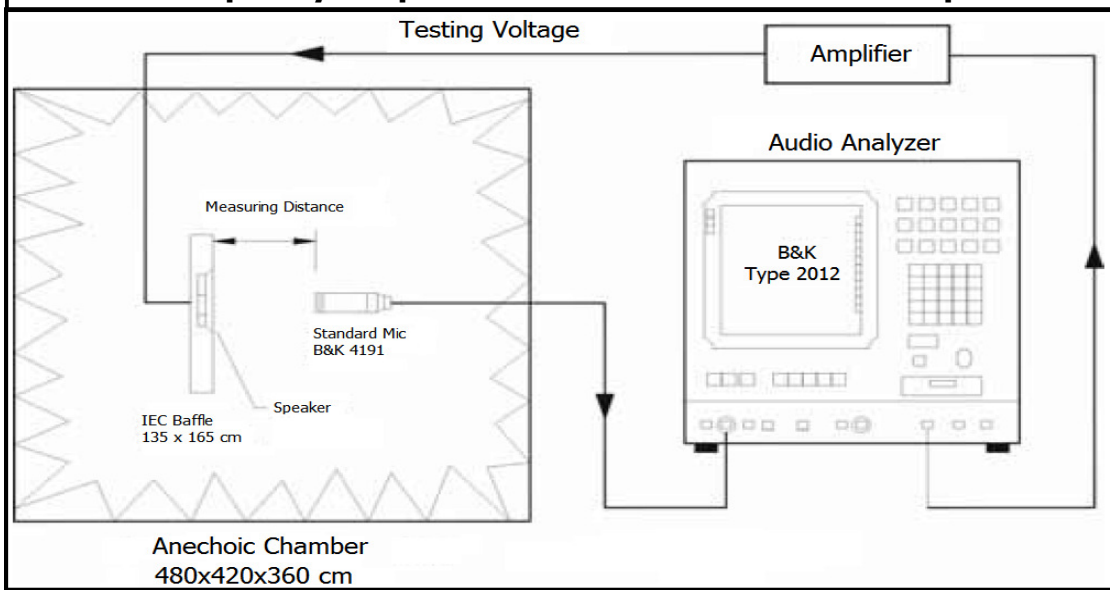
Test Description	Test Condition
High Temperature	85°C (±2°C) with random humidity for 96 hours
Low Temperature	-30°C (±2°C) with random humidity for 96 hours
Humidity	40°C (± 2°C) with 90% to 95% relative humidity for 96 hours
Vibration	0.75 mm movement modulated at 10-55 Hz in 3 directions for 6 hours 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

