

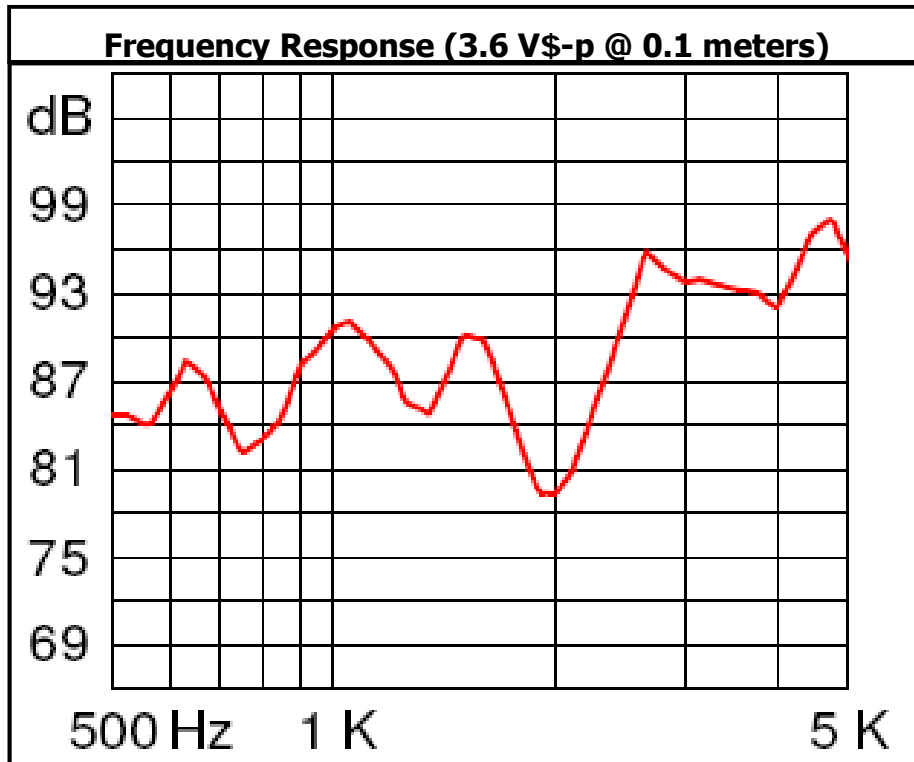
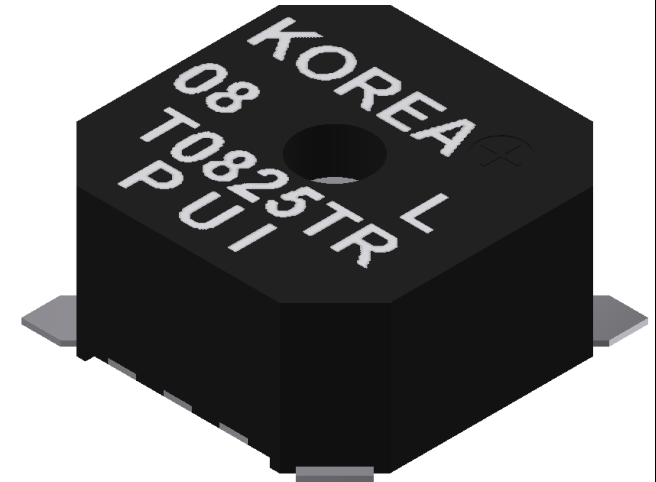
pui
audio™ inc
a projects unlimited company

SMT-0825-T-R 8.5x8.5mm Transducer

3541 Stop Eight Road • Dayton, Ohio 45414

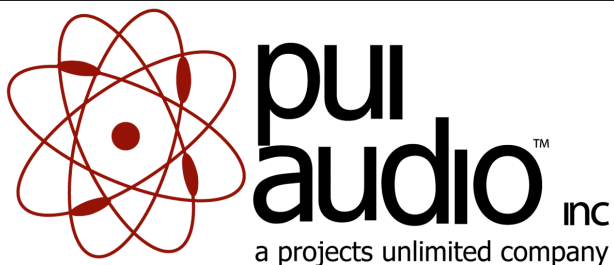
Product Overview

- Top-firing electromechanical transducer designed for 2.5 to 4.5 V
- Small 8.5 x 8.5mm footprint and 4mm height for thin, modern devices
- 87 dBA minimum output (3.6V @ 10 cm) and 2.5kHz resonant frequency
- Designed for reflow soldering using a lead-free profile



RoHS Compliant





SMT-0825-T-R

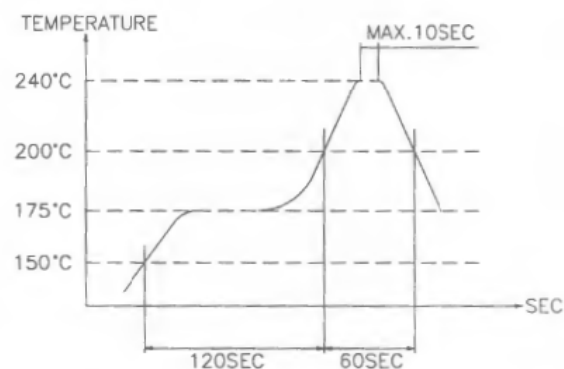
8.5x8.5mm

Transducer

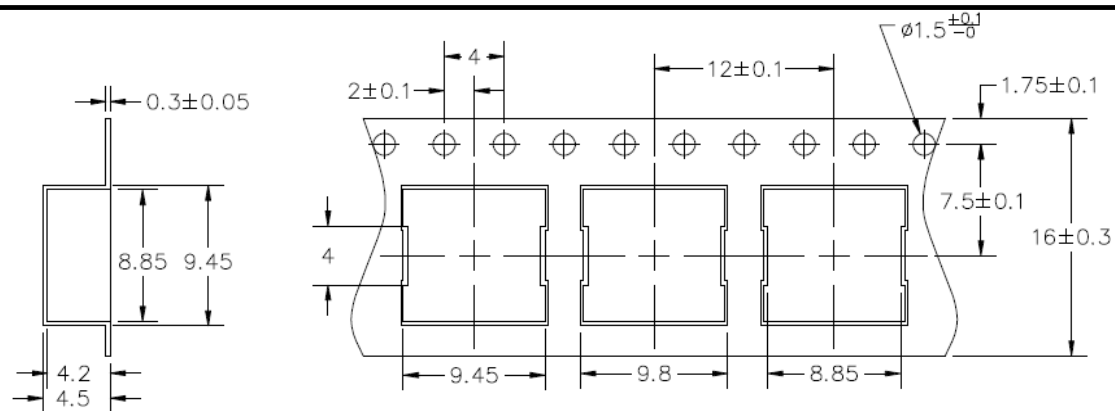
Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	85°C (±2°C) with random humidity for 96 hours
Low Temperature	-40°C (±2°C) with random humidity for 96 hours
Humidity	25°C to 60°C with 90% to 95% relative humidity for 12 hours, 10 cycles
Vibration	1.53 mm movement modulated at 10-55 Hz in 3 directions for 6 hours
Drop Test	120 cm free fall in six directions, 3 cycles
Temperature Cycle Test	-30°C to 70°C, five 90 minute cycles

Recommended Reflow Profile



Tape Dimensions



SMT-0825-T-R
Tape Dimensions
2,000 PCS/Reel

Recommended Land Pattern

