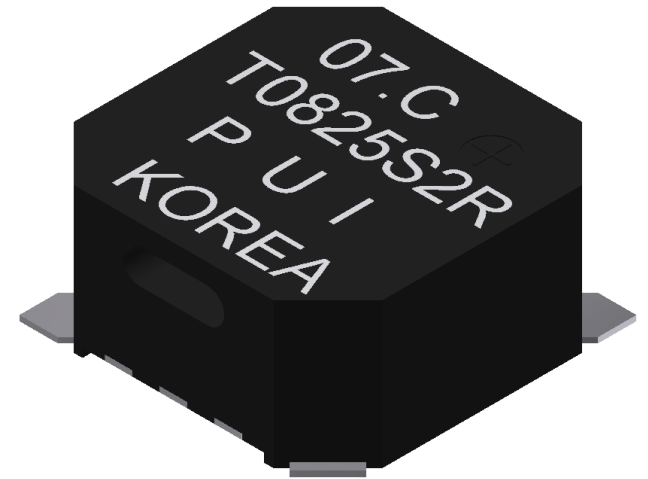




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## SMT-0825-S-2-R 8.5 x 8.5mm Transducer

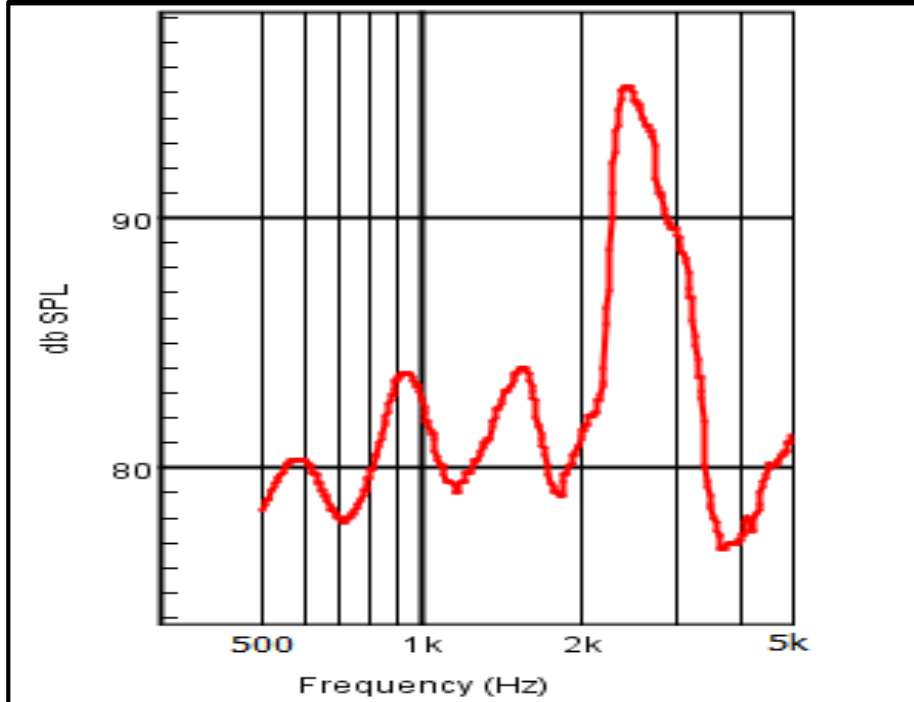


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### Product Overview

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

**Frequency Response (3.6 Vp-p @ 0.1 meters)**



RoHS Compliant





# SMT-0825-S-2-R

## 8.5 x 8.5mm

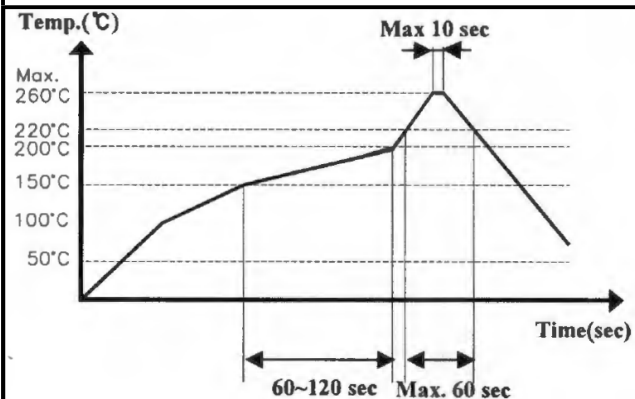
### Transducer

#### Mechanical and Environment Testing

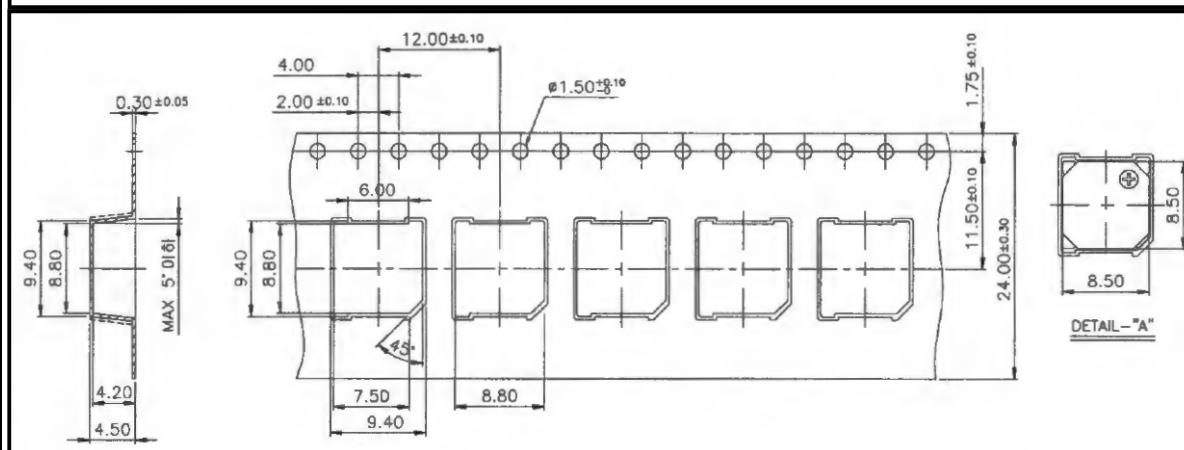
| Test Description       | Test Condition   |
|------------------------|--|
| High Temperature       | 85°C (±2°C) with random humidity for 96 hours                          |
| Low Temperature        | -40°C (±2°C) with random humidity for 96 hours                         |
| Humidity               | 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                                   |

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

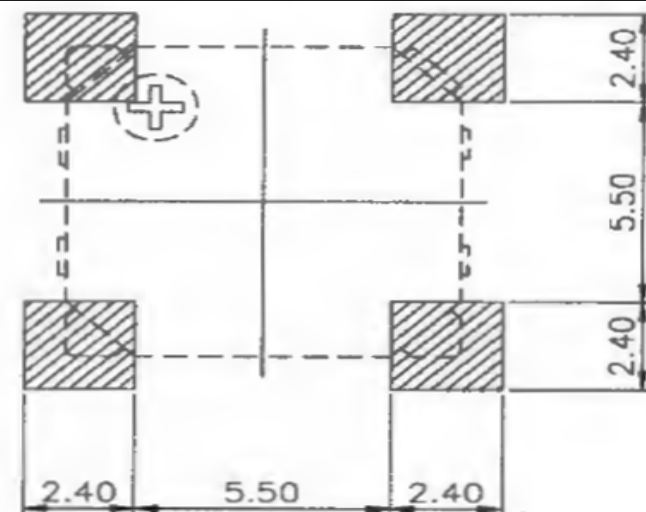
#### Recommended Reflow Profile



#### Tape Dimensions



#### Recommended Land Pattern





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