



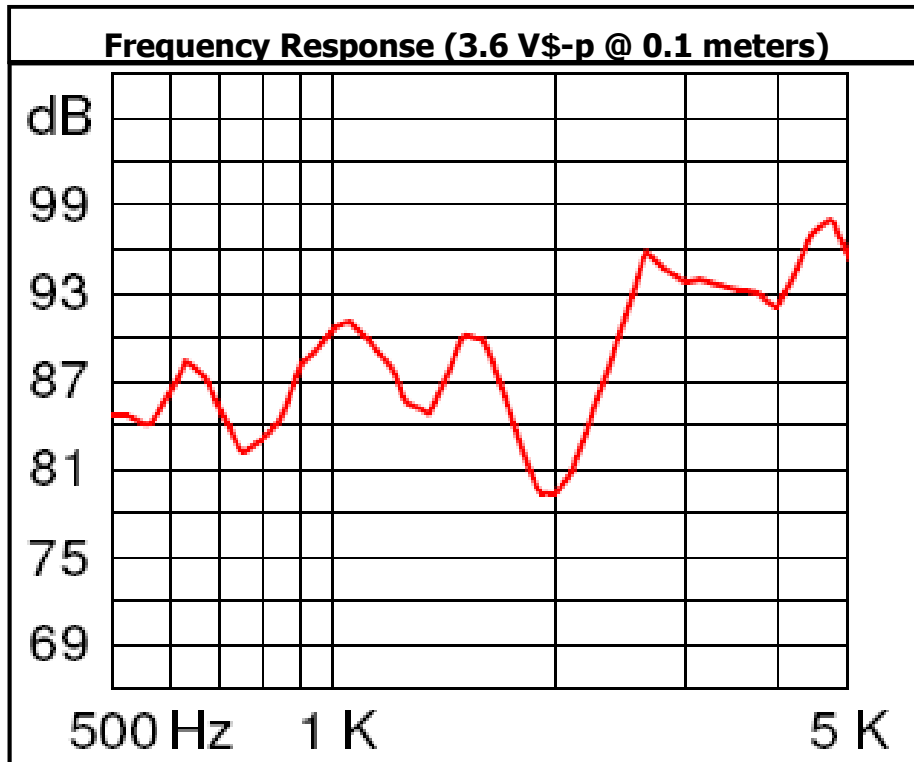
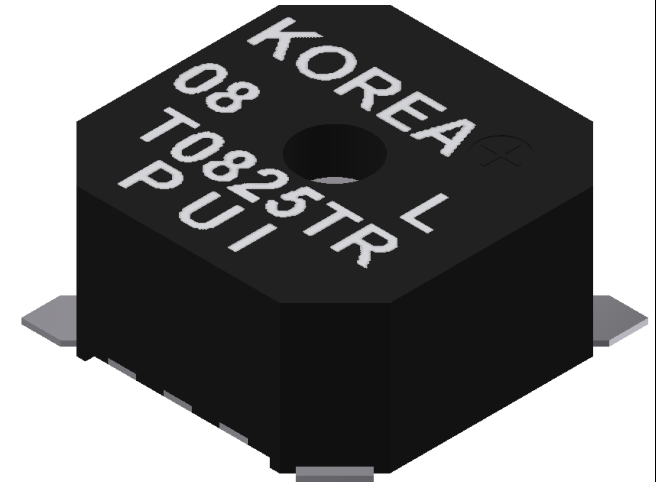
pui
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SMT-0825-T-R 8.5x8.5mm Transducer

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

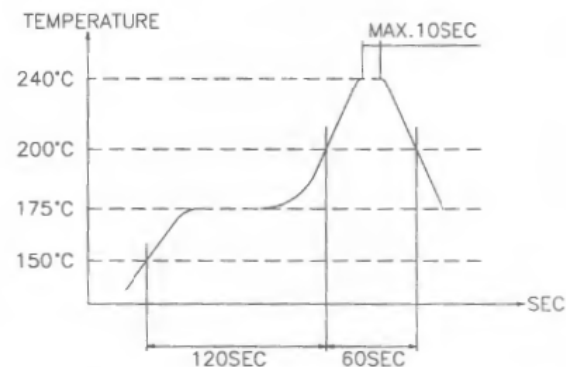
8.5x8.5mm

Transducer

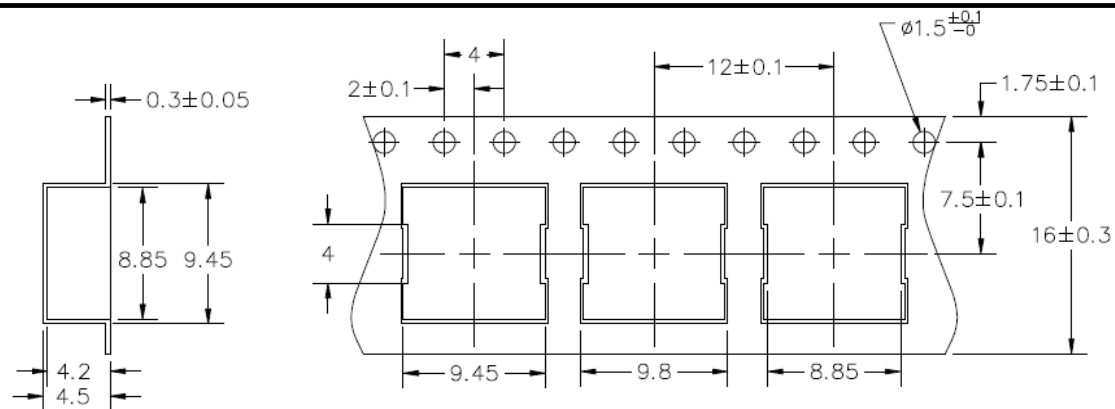
Mechanical and Environment Testing

| 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

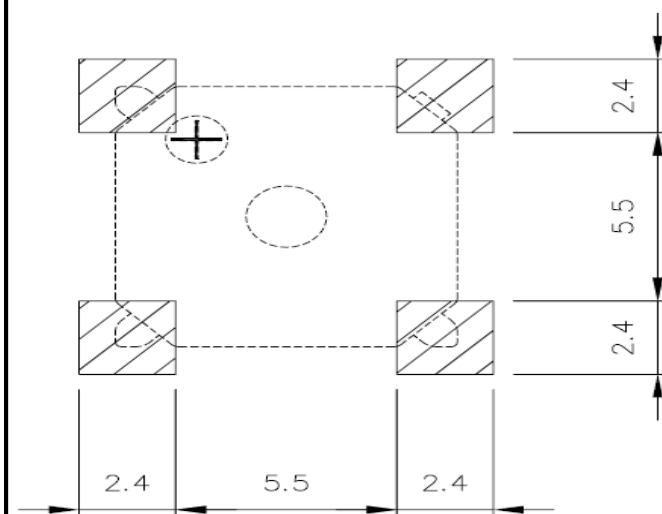


Tape Dimensions

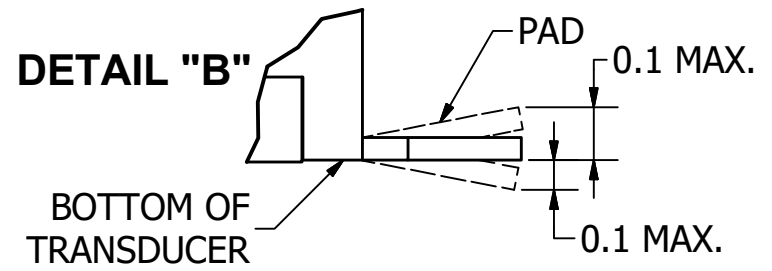
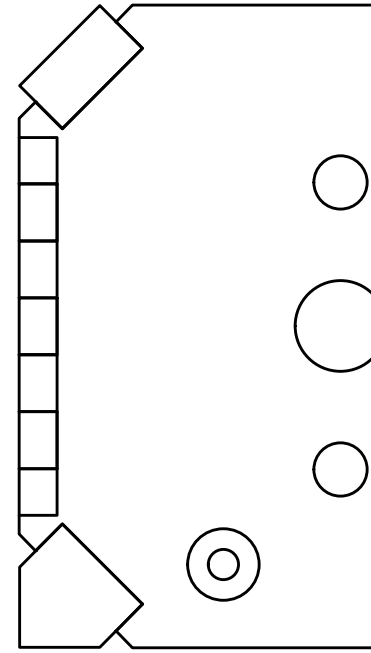
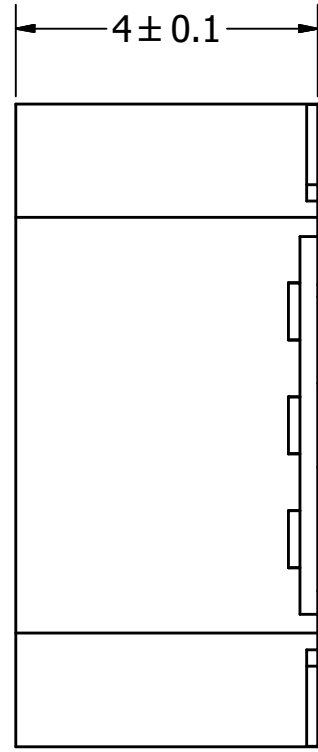
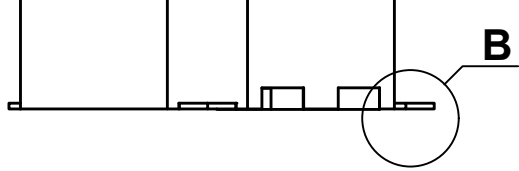
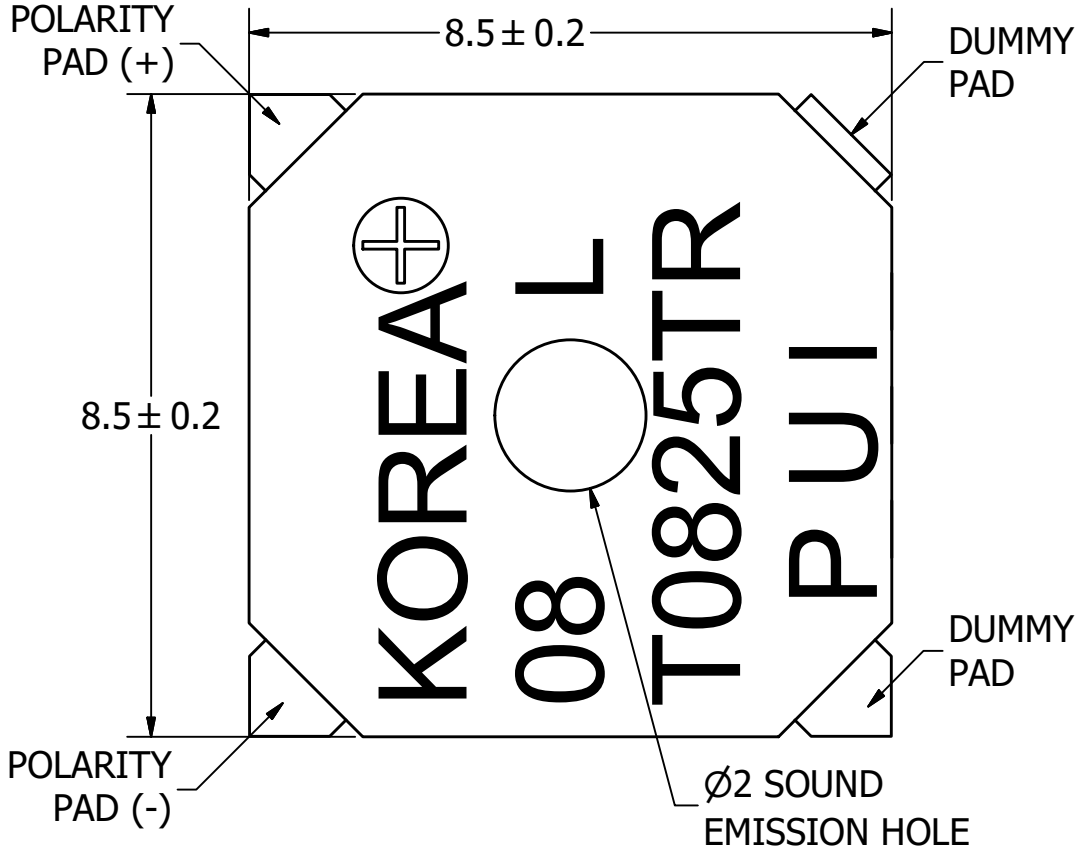


SMT-0825-T-R
Tape Dimensions
2,000 PCS/Reel

Recommended Land Pattern

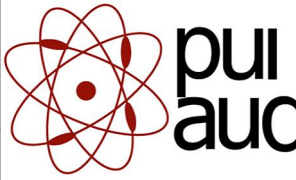


| | | |
|-------------------|---------------|-------|
| TERMINAL MATERIAL | Sn PLATED PBS | - |
| WEIGHT | 0.42 | grams |



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

| | | | |
|--|-----------|---|--------|
| UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ± 0.5 AND ANGLES ARE $\pm 3^\circ$. | SIZE | Designed by | Date |
| | A3 | R.A.C. | 1/4/20 |
| SMT-0825-T-R.idw | |  | |

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