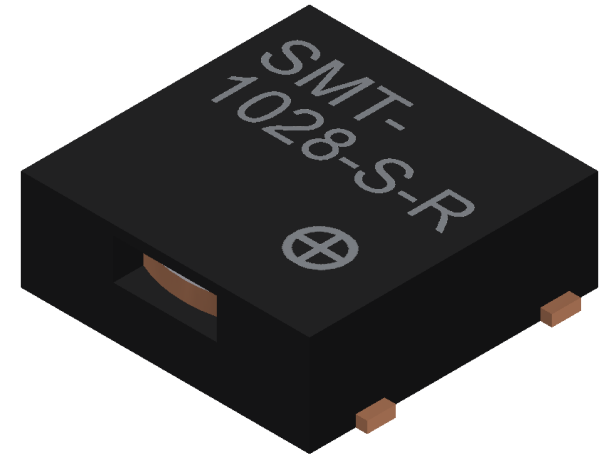




pui
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a projects unlimited company

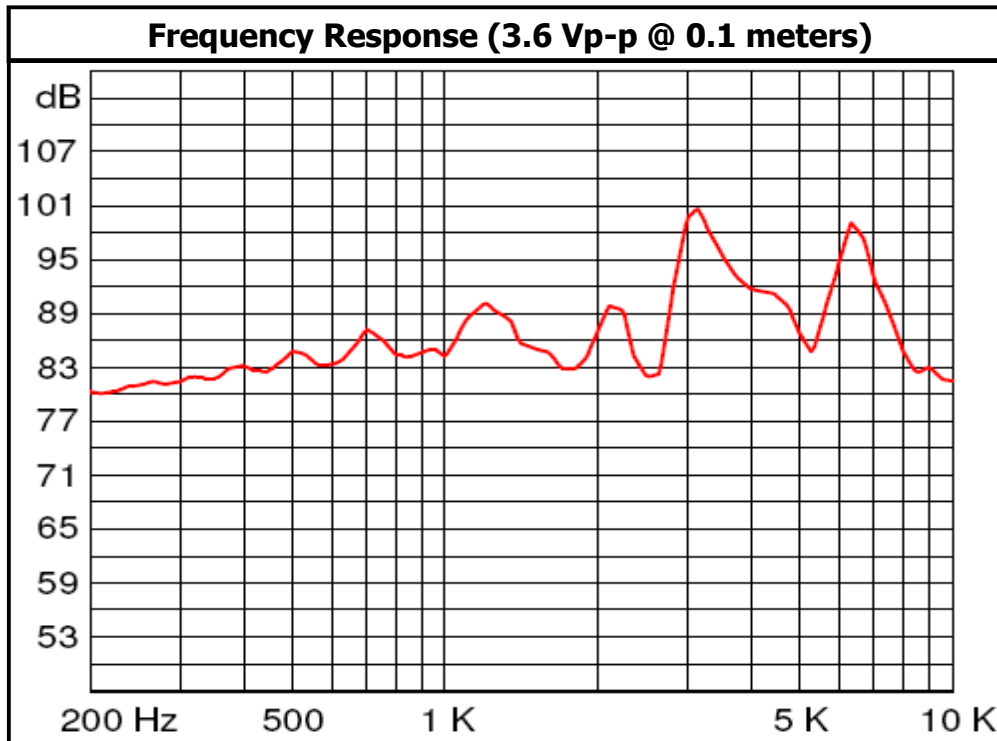
SMT-1028-S-R 10x10mm Transducer



3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- Side-firing electromechanical transducer designed for 2 to 4 Vp-p
- Small 10 x 10mm footprint with surprising 93 dB output
- 2,830 Hz resonant frequency targets most sensitive region of human hearing
- Designed for reflow soldering using a lead-free profile



RoHS Compliant





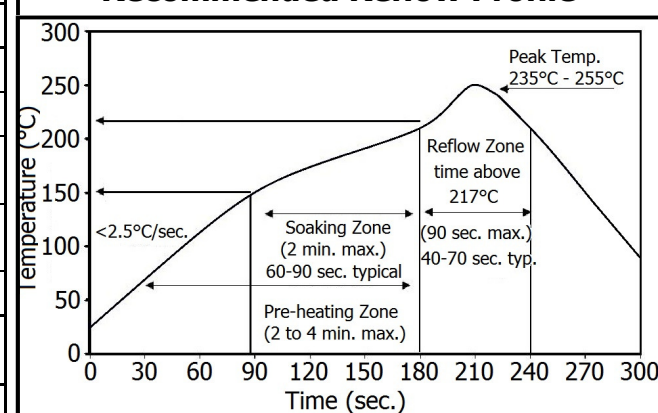
SMT-1028-S-R

10x10mm Transducer

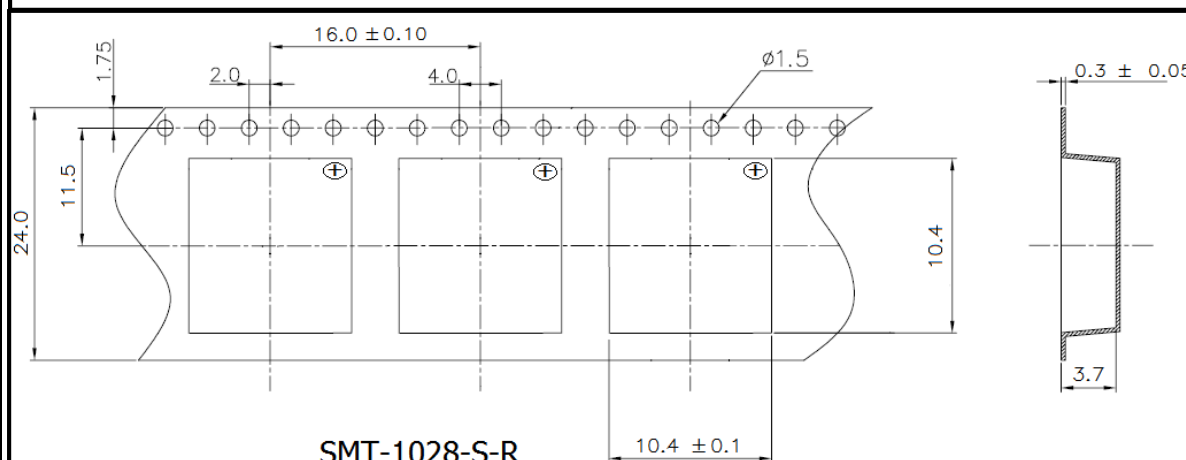
Mechanical and Environment Testing

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-1028-S-R
Tape Dimensions
1,000 PCS/Reel

Recommended Land Pattern

