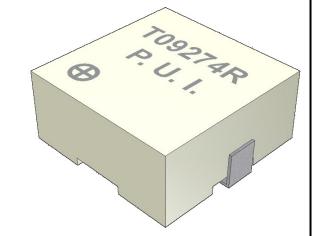


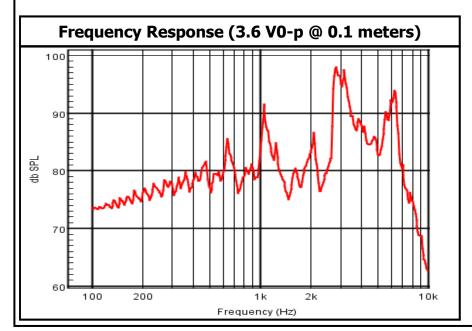
SMT-0927-S-4-R 9 x 9mm Transducer



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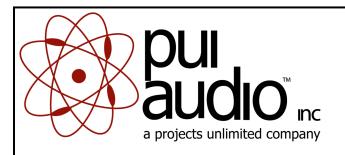
Product Overview

- Side-firing electromechanical transducer designed for 2 to 4 V0-p
- Small 9 x 9mm footprint and 4mm height for thin, modern devices
- 85 dBA minimum output (3.6V0-p @ 10 cm) and 2,730 Hz resonant frequency
- Designed for reflow soldering using a lead-free profile









SMT-0927-S-4-R 9 x 9mm Transducer

Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	80°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 85°C with 80% to 98% relative humidity for 12 hours, 10 cycles
Vibration	1.53 mm movement modulated at 10-55 Hz in 3 directions for 2 hours
Drop Test	75 cm free fall in three directions, 3 cycles each
Temperature Cycle Test	-40°C to 85°C, ten 60 minute cycles

Recommended Reflow Profile

SMT Reflow Temperature Profile (Pb_Free)

Peak Temp 260°C
255°C
20~40 sec

150°C

Time [sec]

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

