

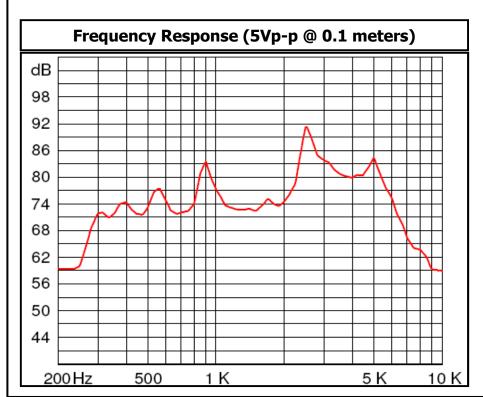
SMT-1324-TW-5V-R 12.5x12.5mm Transducer

SMT-1324-TS-Ra SMT-1324-TS-Ra Chica

3541 Stop Eight Road • Dayton, Ohio 45414

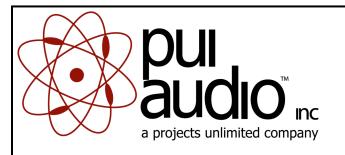
Product Overview

- Top-firing electromechanical transducer designed for 4 to 8 Vp-p
- Small footprint with loud 85 dB output
- 2,400 Hz resonant frequency targets most sensitive region of human hearing
- Designed for reflow soldering with a lead-free reflow profile



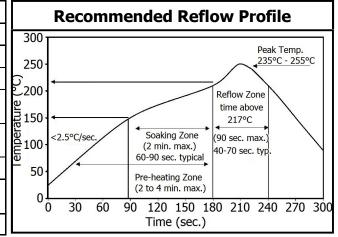




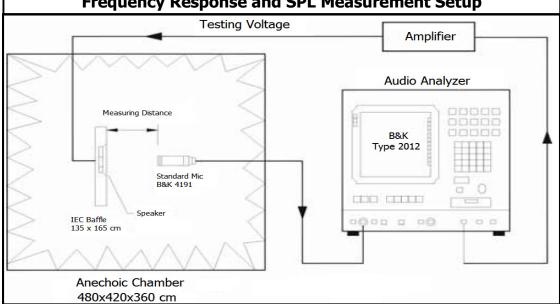


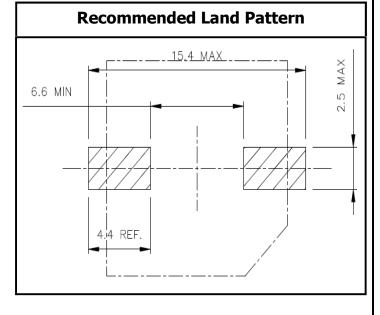
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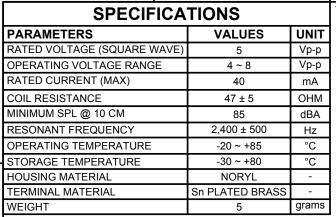
Mechanical and Environment Testing					
Test Description	Test Condition				
High Temperature	85°C (±2°C) with random humidity for 96 hours				
Low Temperature	-30°C (±2°C) with random humidity for 96 hours				
Humidity	40°C (± 2°C) with 90% to 95% relative humidity for 96 hours				
Vibration	0.75 mm movement modulated at 10-55 Hz in 3 directions for 6 hours total				
Drop Test	100 cm free fall in six directions, 3 cycles				
Temperature Cycle Test	-30°C to 80°C, five 90 minute cycles				
After testing, part shall rest for 2 hours and then be tested for a clean, pure tone.					



Frequency Response and SPL Measurement Setup







NOTES:

WITHOUT NOTICE.

1. ALL DIMENSIONS ARE IN MILLIMETERS.

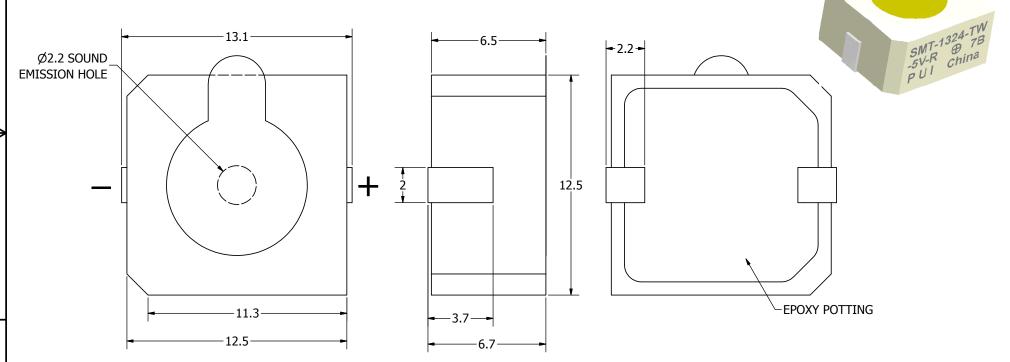
3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL

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,		REVISION HISTORY		
	LTR	DESCRIPTION	DATE	APPROVED
	-	RELEASED FROM ENGINEERING	1/16/2006	
	Α	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	11/7/2007	B.R.



UNLESS OTHERWISE

SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS,

TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.

SMT-1324-TW-5V-R.idw

Designed by

SIZE

Date

1/16/2006

Checked by

E.P.

Date

1/17/2006

Approved by

B.R.

Transducer (Electro-Mech)

SMT-1324-TW-5V-R

Date

1/17/2006 11/7/2007

Drawn Date

1/1