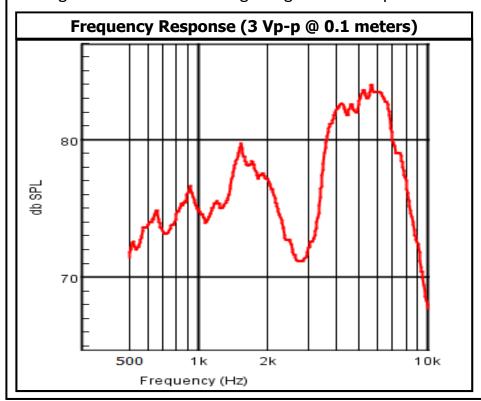


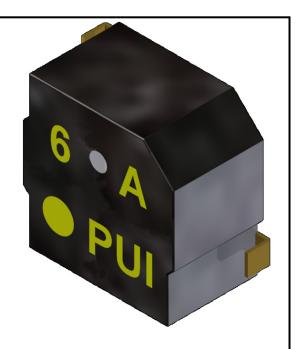
SMT-0540-T-2-R 5 x 5mm Transducer

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

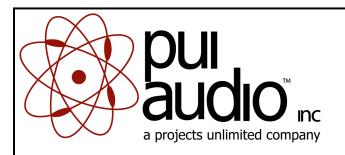
- Top-firing electromechanical transducer designed for 2 to 4 Vp-p
- Tiny 5 x 5mm footprint and 3mm height for thinner devices
- 78 dBA minimum output (3Vp-p @ 10 cm) and 4 kHz resonant frequency
- Designed for reflow soldering using a lead-free profile





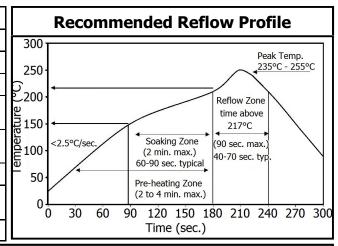


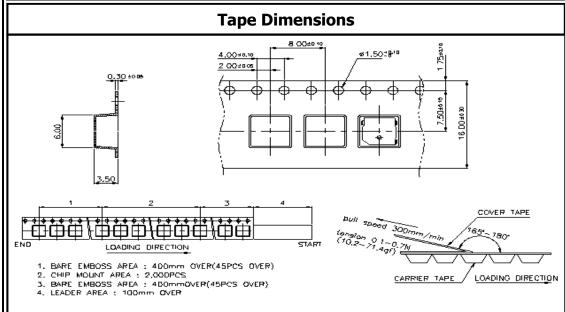


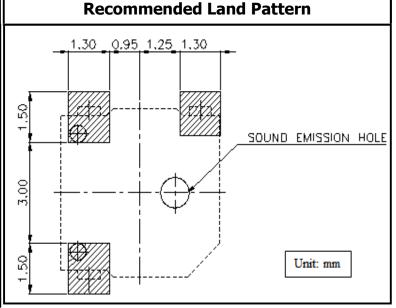


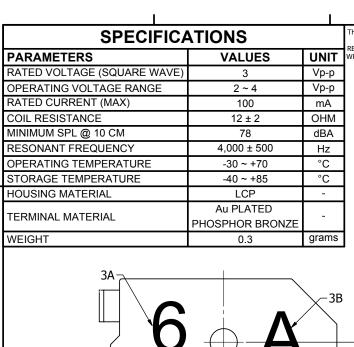
SMT-0540-T-2-R 5 x 5mm Transducer

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		





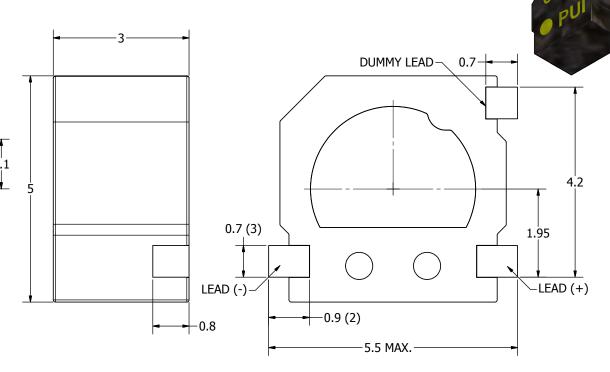




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	REVISION HISTORY		
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	12/6/2004	
Α	ADDED TERMINAL MATERIAL PLATING	1/18/2005	R.W.
В	UPDATED RoHS AND TOLERANCE	5/9/2005	R.W.
С	UPDATED TERMINAL DIMENSIONS	5/18/2005	B.R.
D	ADDED REFLOW TEMPERATURE	1/9/2006	B.R.
Е	REVISED REFLOW TEMPERATURE	6/5/2006	B.R.
F	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	6/4/2010	B.R.
G	REVISED TERMINAL MATERIAL	5/11/2012	M.L.



 SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.

•PUI

- 2. ALL DIMENSIONS ARE IN MILLIMETERS.
- 3. DATE CODE:

NOTES:

Ø0.6 SOUND EMISSION HOLE

POLARITY

MARK

A. FIRST DIGIT REPRESENTS THE NO. OF THE YEAR.

B. LAST DIGIT REPRESENTS THE MONTH. (A-JAN~L-DEC.)

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

5. REFLOWABLE TO 260°C

UNLESS OTHERWISE SPECIFIED:		Designed by
DIMENSIONS ARE IN	SIZE	R.A.C.
MILLIMETERS,		∞
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3	

SMT-0540-T-2-R.idw

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pul audio no a projects unlimited compan

R.A.C. 12/6/2004

Date

Checked by

F.P.

Date

12/6/2004 R.W. 12/6/2004 6/4/2010 SMT-0540-T-2-R

Date

Drawn Date

Sheet

1/1

Transducer (Electro-Mech)

Approved by

4