

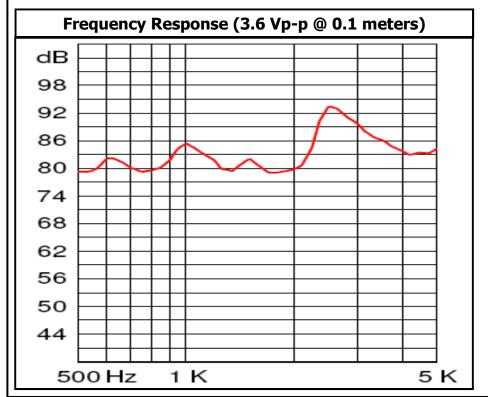
## SMT-0825-S-4-R 8.5x8.5mm Transducer



3541 Stop Eight Road ● Dayton, Ohio 45414

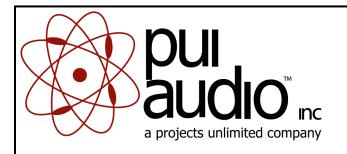
## **Product Overview**

- Side-firing electromechanical transducer designed for 2.5 to 4.5 Vp-p
- Small 8.5 x 8.5mm footprint and 3mm height for thin, modern devices
- 85 dBA minimum output (3.6Vp-p @ 10 cm) and 2.5kHz resonant frequency
- Designed for reflow soldering using a lead-free profile



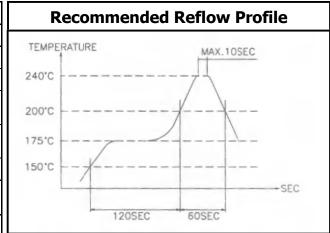




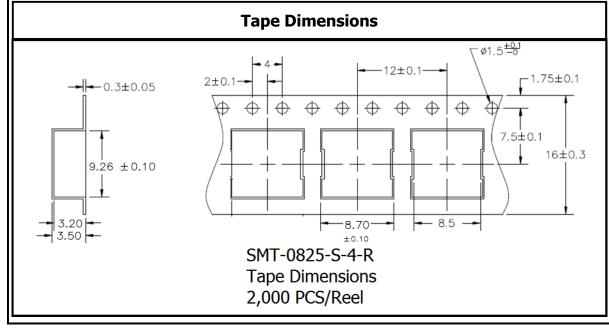


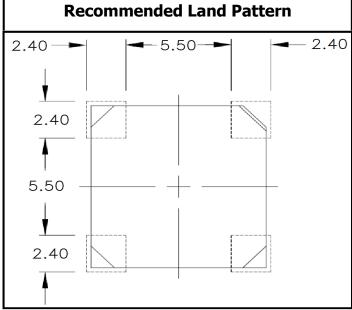
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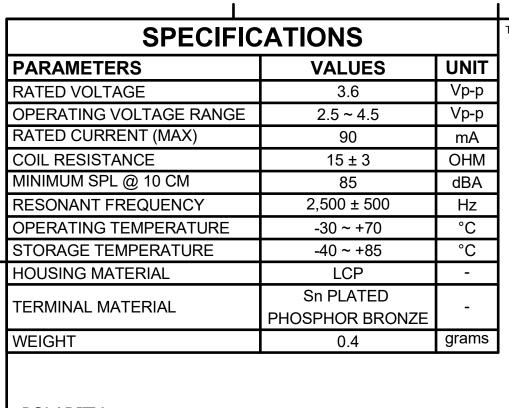
Mechanical and Environment Testing			
Test Description	Test Condition		
High Temperature	85°C (±2°C) with random humidity for 96 hours		
Low Temperature	-40°C (±2°C) with random humidity for 96 hours		
Humidity	25°C to 60°C with 90% to 95% relative humidity for 12 hours, 10 cycles		
Vibration	1.53 mm 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		



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





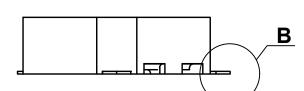


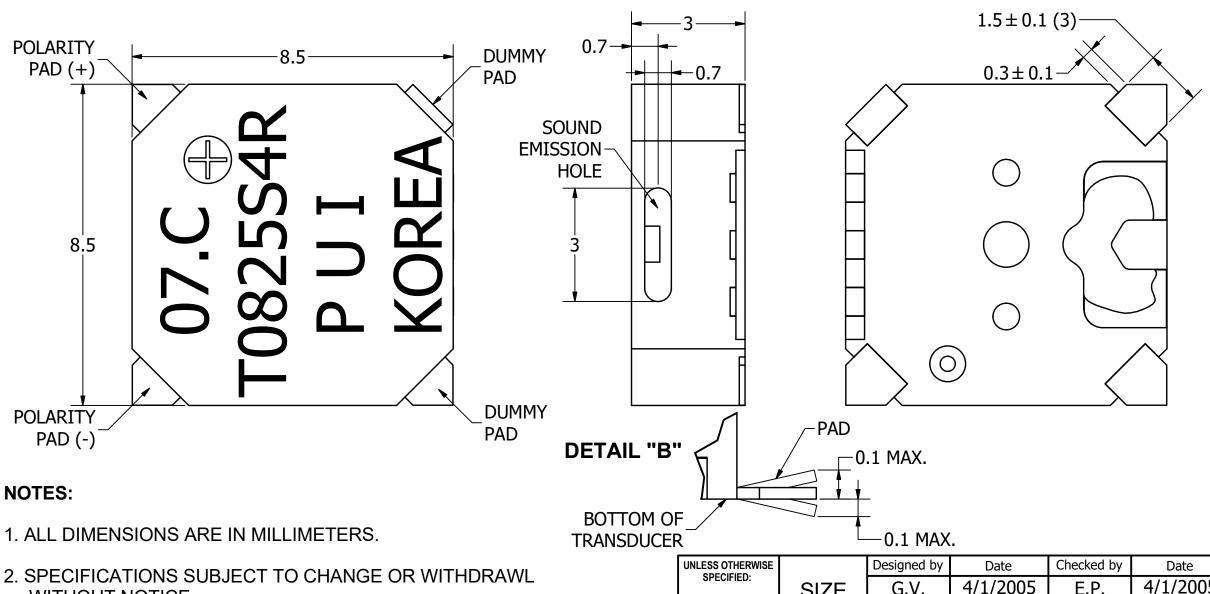
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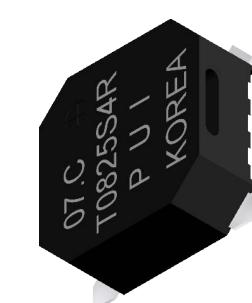
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	REVISION HISTORY		
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	4/1/2005	
Α	ADDED RoHS COMPLIANCE NOTE	8/10/2005	
В	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	4/30/2010	B.R.
С	ADDED REFLOW NOTE	1/25/2019	M.L.

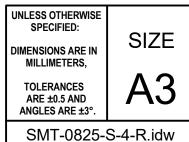
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- 2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
- 3. THIS PART IS RoHS 2011/65/EU COMPLIANT.
- 4. REFLOW ACCEPTABLE. MAX TEMP 260C, 10sec OR LESS.



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Approved by Date Drawn Date 4/1/2005 4/1/2005 4/30/2010 R.W. SMT-0825-S-4-R

Transducer (Electro-Mech)

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