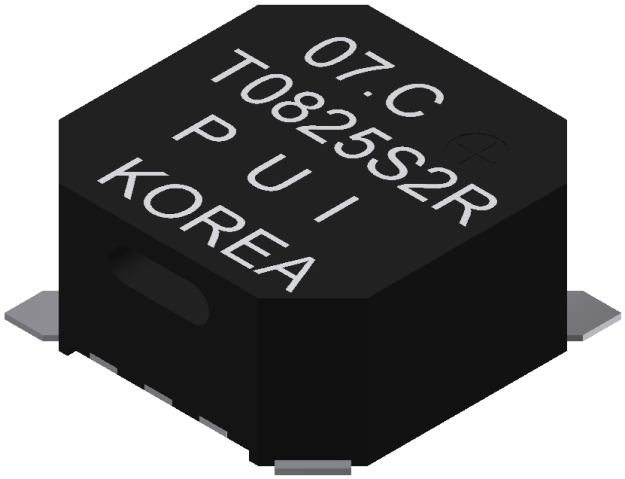
pui audio™ inc
a projects unlimited company
3541 Stop Eight Road • Dayton, Ohio 45414

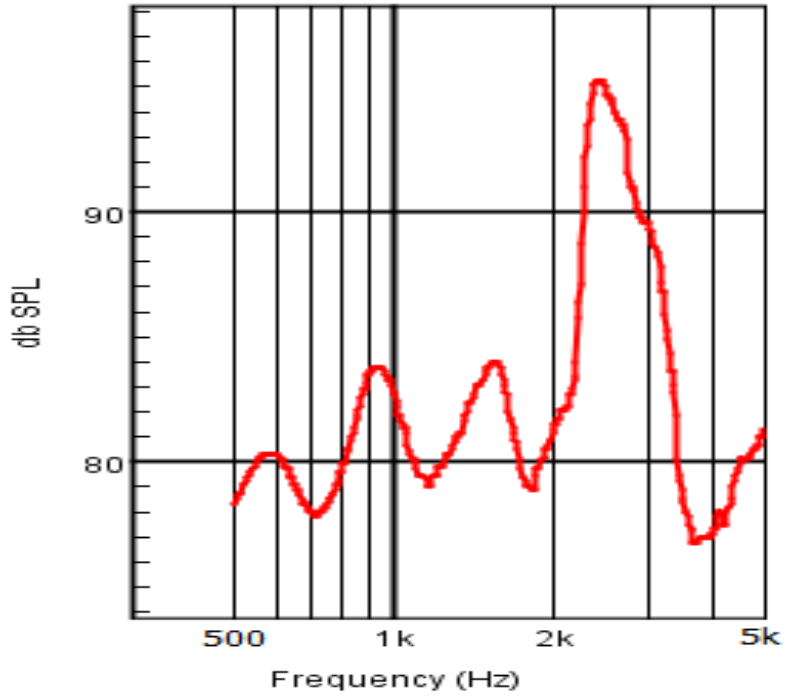
SMT-0825-S-2-R
8.5 x 8.5mm
Transducer



Product Overview

- Side-firing electromechanical transducer designed for 2.5 to 4.5 Vp-p
- Small 8.5 x 8.5mm footprint and 4mm height for thin, modern devices
- 87 dBA minimum output (3.6Vp-p @ 10 cm) and 2.5kHz resonant frequency
- Designed for reflow soldering using a lead-free profile

Frequency Response (3.6 Vp-p @ 0.1 meters)

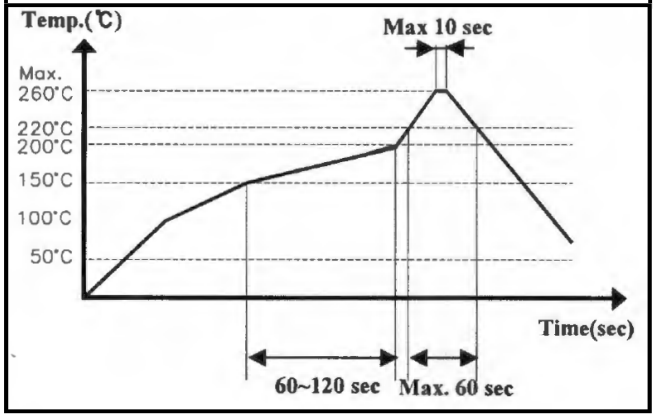


PUI Audio Inc. engages in continuous product improvement. All specifications are subject to change without notice. www.puiaudio.com. Copyright © 2015. Last Revised 12/15.

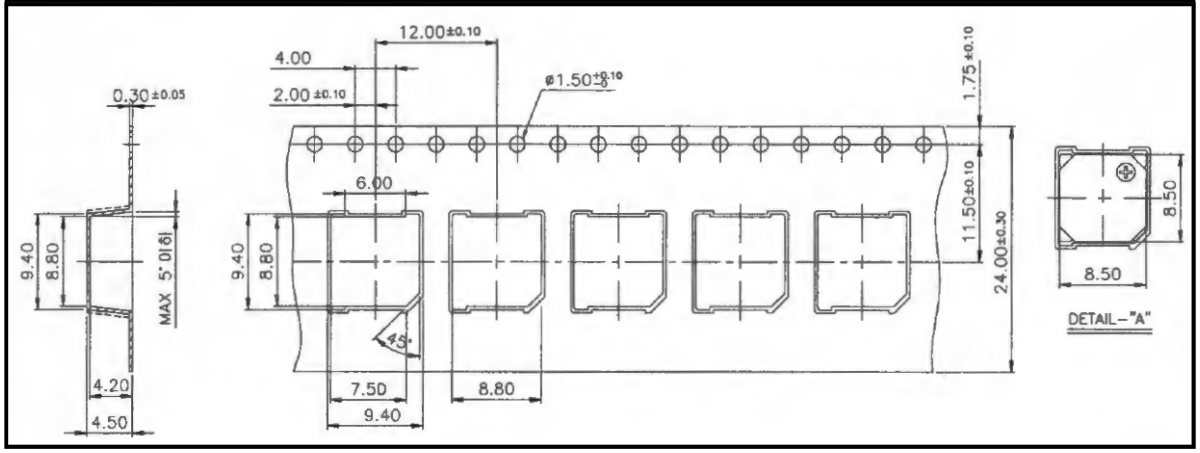
SMT-0825-S-2-R
8.5 x 8.5mm
Transducer

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

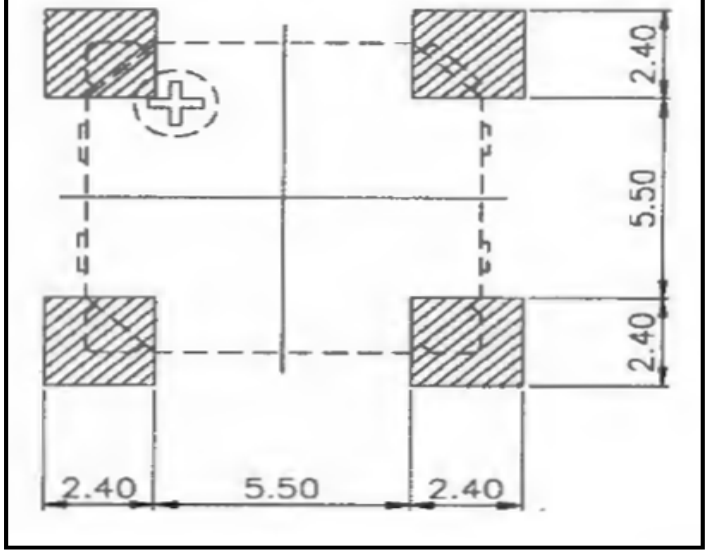
Recommended Reflow Profile



Tape Dimensions



Recommended Land Pattern



PUI Audio Inc. engages in continuous product improvement. All specifications are subject to change without notice. www.puiaudio.com. Copyright © 2015. Last Revised 12/15.

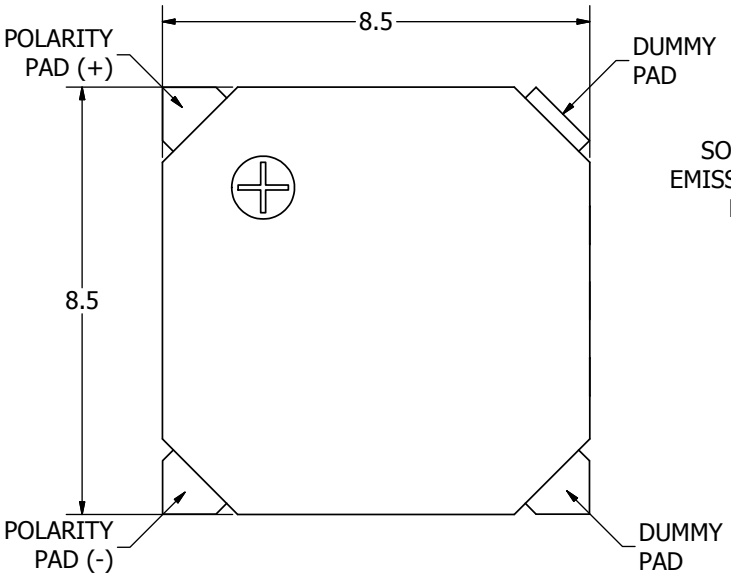
SPECIFICATIONS

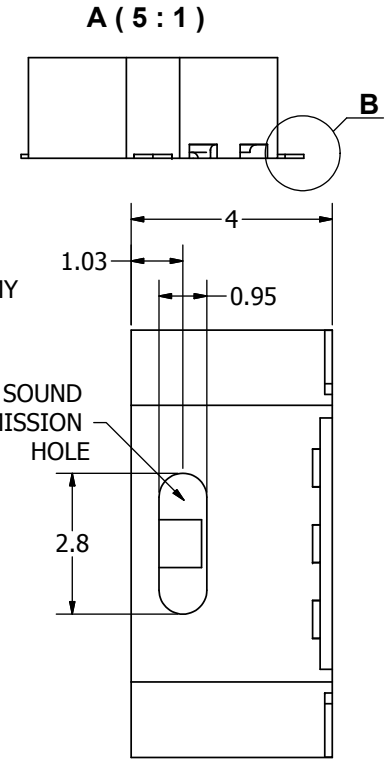
PARAMETERS	VALUES	UNIT
RATED VOLTAGE	3.6	Vp-p
OPERATING VOLTAGE RANGE	2.5 ~ 4.5	Vp-p
RATED CURRENT (MAX)	90	mA
COIL RESISTANCE	15 ± 3	OHM
MINIMUM SPL @ 10 CM	87	dBA
RESONANT FREQUENCY	2,500 ± 500	Hz
OPERATING TEMPERATURE	-30 ~ +70	°C
STORAGE TEMPERATURE	-40 ~ +85	°C
HOUSING MATERIAL	LCP	-
TERMINAL MATERIAL	Sn PLATED PHOSPHOR BRONZE	-
WEIGHT	0.45	grams

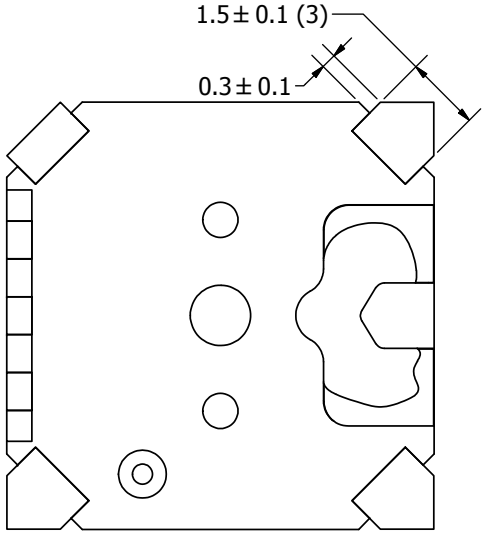
THIS DOCUMENT CONTAINS DATA PROPRIETARY TO PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.
©2003, Projects Unlimited Inc.

REVISION HISTORY

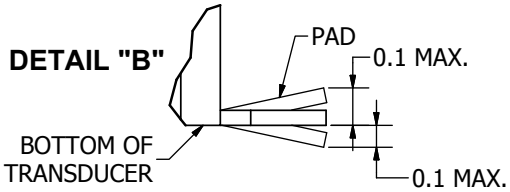
LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	5/5/2006	
A	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	4/29/2010	B.R.











NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.
3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	SIZE	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
	A3	J.D.	5/5/2006	E.P.	5/5/2006	B.R.	5/5/2006	4/30/2010

SMT-0825-S-2-R.idw

pui audio inc — a projects unlimited company

SMT-0825-S-2-R

Transducer (Electro-Mech)

Edition	Sheet
-	1 / 1