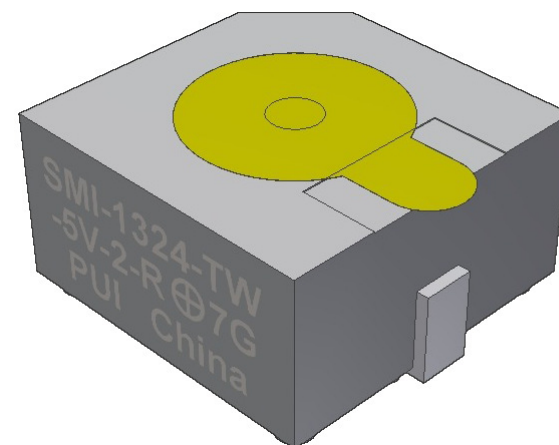


SMI-1324-TW-5V-2-R 13mm Indicator

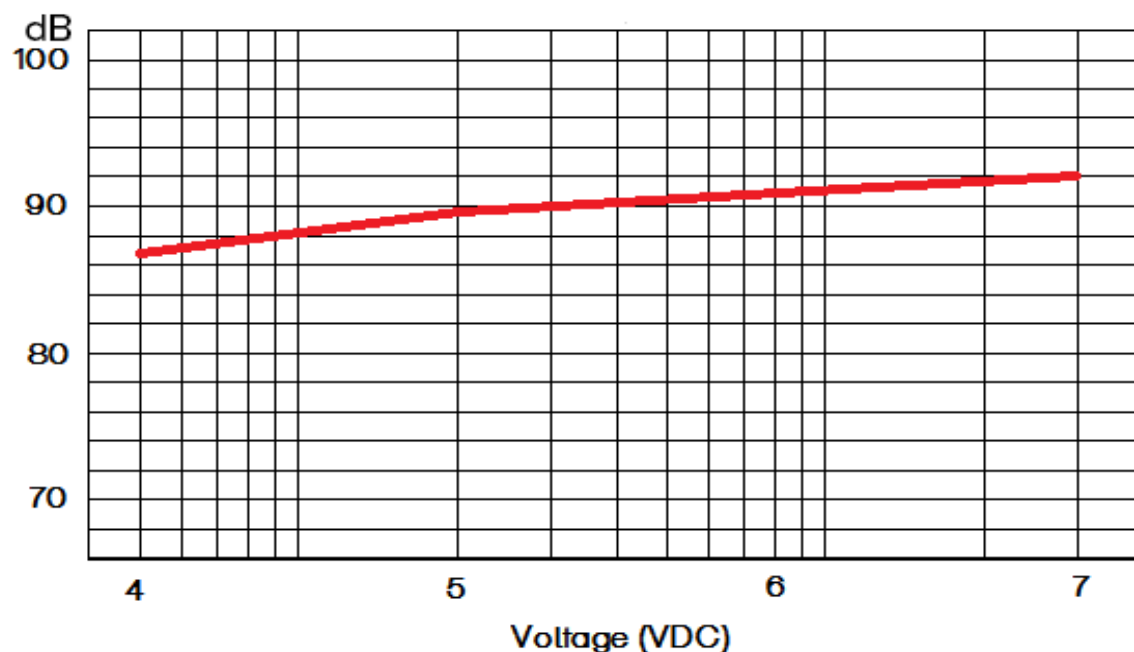
3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 13mm, 4-7 VDC self-drive, surface mount indicator
- 88 dBA minimum output (5 VDC @ 10 cm) and 2,340 Hz continuous tone
- PPT housing withstands lead-free reflow soldering temperatures
- Removable wash tag preserves performance

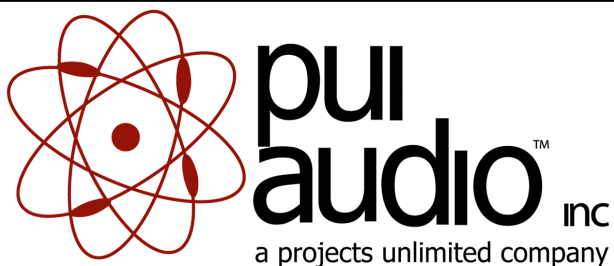


SPL vs Voltage (measured @10 cm)



Audio Products of PUI Inc. and PUI





SMI-1324-TW-5V-2-R

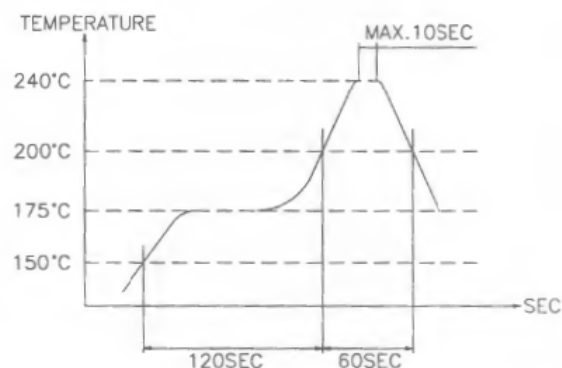
13mm Indicator

Mechanical and Environment Testing

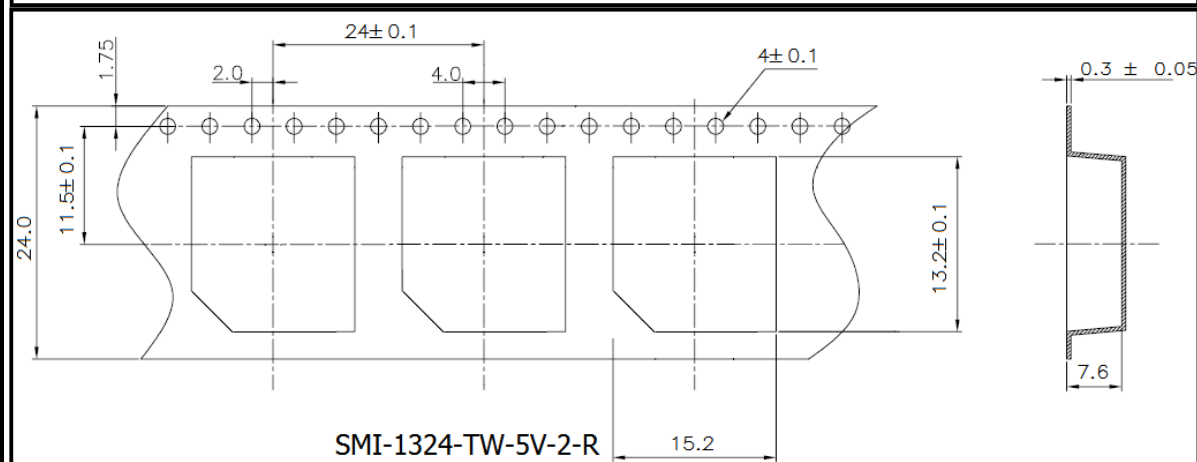
Test Description	Test Condition
High Temperature	85°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Low Temperature	-25°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Humidity	40°C ($\pm 2^\circ\text{C}$) with 90% to 95% relative humidity for 96 hours
Vibration	0.75 mm movement modulated at 10-55 Hz for 3 hours
Drop Test	100 cm free fall onto wood board, 10 cycles
Temperature Cycle Test	-30°C to 85°C, 100 cycles

After tests, part shall rest for 2 hours. Parts are then tested for clean, pure tones.

Recommended Reflow Profile

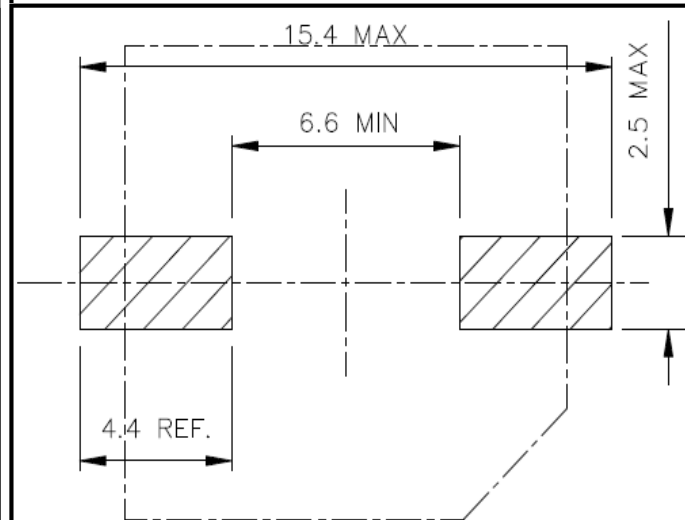


Tape Dimensions



SMI-1324-TW-5V-2-R
Tape Dimensions
2,000 PCS/Reel

Recommended Land Pattern



SPECIFICATIONS

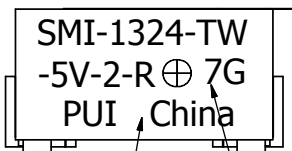
PARAMETERS	VALUES	UNITS
RATED VOLTAGE	5	Vdc
OPERATING VOLTAGE RANGE	4 ~ 7	Vdc
RATED CURRENT (MAX)	30	mA
MINIMUM SPL @ 10 CM	88	dBA
RESONANT FREQUENCY	2,400 ± 400	Hz
TONE OR PULSE RATE	CONTINUOUS	0 pulse/sec
OPERATING TEMPERATURE	-40 ~ +85	°C
STORAGE TEMPERATURE	-40 ~ +85	°C
HOUSING MATERIAL	PPS	-
TERMINAL MATERIAL	Sn PLATED BRASS	-
WEIGHT	2	grams

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REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	8/2/2004	
A	REVISED TERMINAL MATERIAL	12/13/2004	R.W.
B	REMOVED LEAD FREE ADDED RoHS NOTE	8/10/2005	
C	ADDED NOTE 4	11/2/2005	B.R.
D	REVISED TERMINAL MATERIAL	3/20/2006	B.R.
E	REVISED TEMPERATURES ADD DATE CODE	6/14/2006	R.W.
F	REVISED LAYOUT ADDED SIDE DIMENSION	8/16/2006	B.R.
G	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	11/9/2007	B.R.

A (4 : 1)

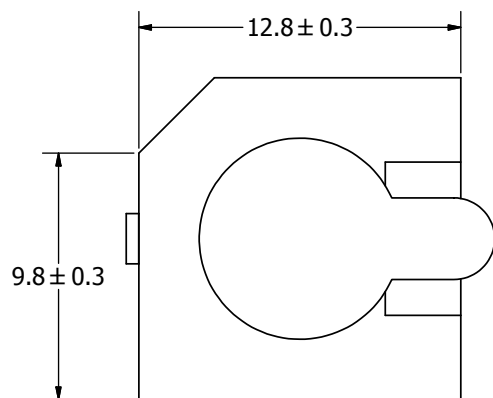


SILK SCREEN MARKING
COLOR: SILVER

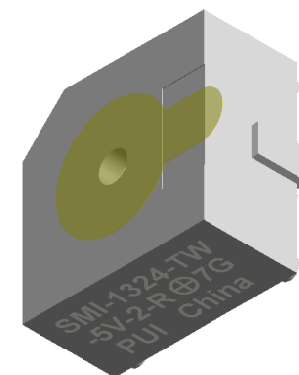
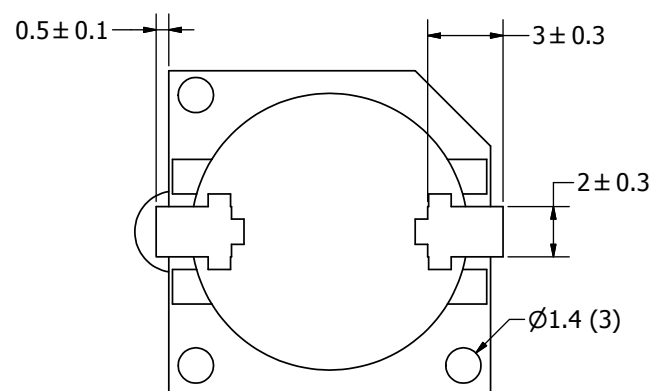
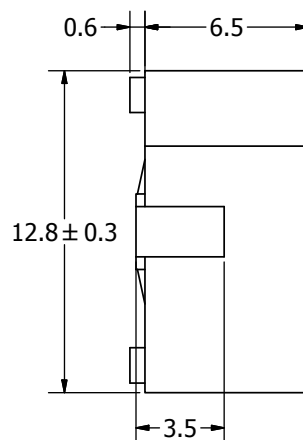
DATE CODE
MARKING

"7 G"

YEAR: 7=2007 MONTH: G=JULY



A



NOTES:

- ALL DIMENSIONS ARE IN MILLIMETERS.
- SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
- THIS PART IS RoHS 2002/95/EC COMPLIANT.
- MAXIMUM REFOLW TEMPERATURE IS 260°C.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS,
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.

SIZE
A3

SMI-1324-TW-5V-2-R.idw

Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
R.A.C.	8/2/2004			R.W.	8/2/2004	11/9/2007
SMI-1324-TW-5V-2-R						
Indicator						
Edition						Sheet
-						1 / 1



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

PUI Audio:

[SMI-1324-TW-5V-2-R](#) [SMI-1324-TW-5V-2-R-T/R](#)