

AI-1622-TWT-5V-R 16mm Indicator

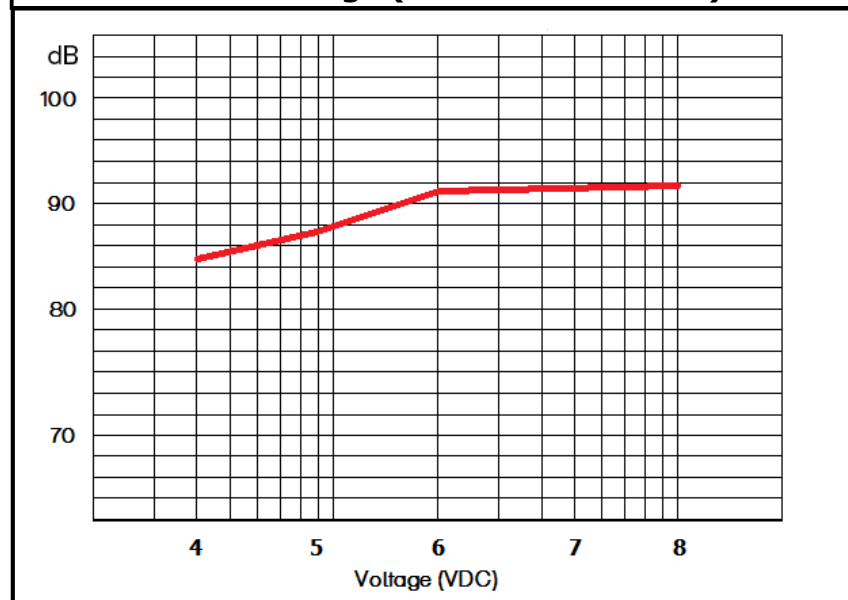
3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 16mm diameter, 4-8 VDC self-drive indicator
- 85 dBA minimum output (5 VDC @ 10 cm) and 2,200 Hz continuous tone
- High-temp Noryl® housing withstands Wave soldering temperatures
- Removable wash tag preserves performance

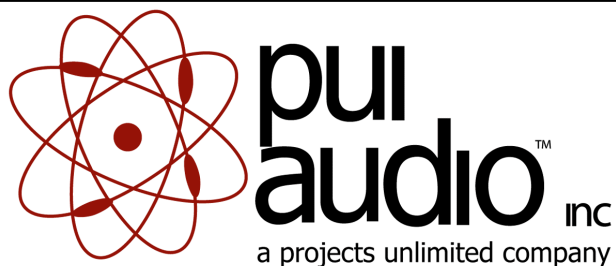


SPL vs Voltage (measured @ 10 cm)



Audio Products of PUI Inc. and CFSI





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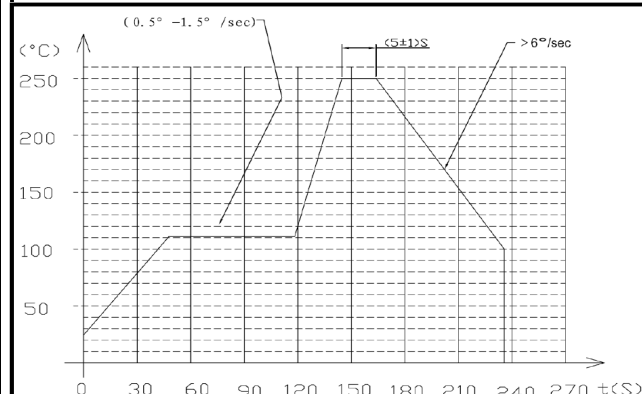
16mm Indicator

Mechanical and Environment Testing

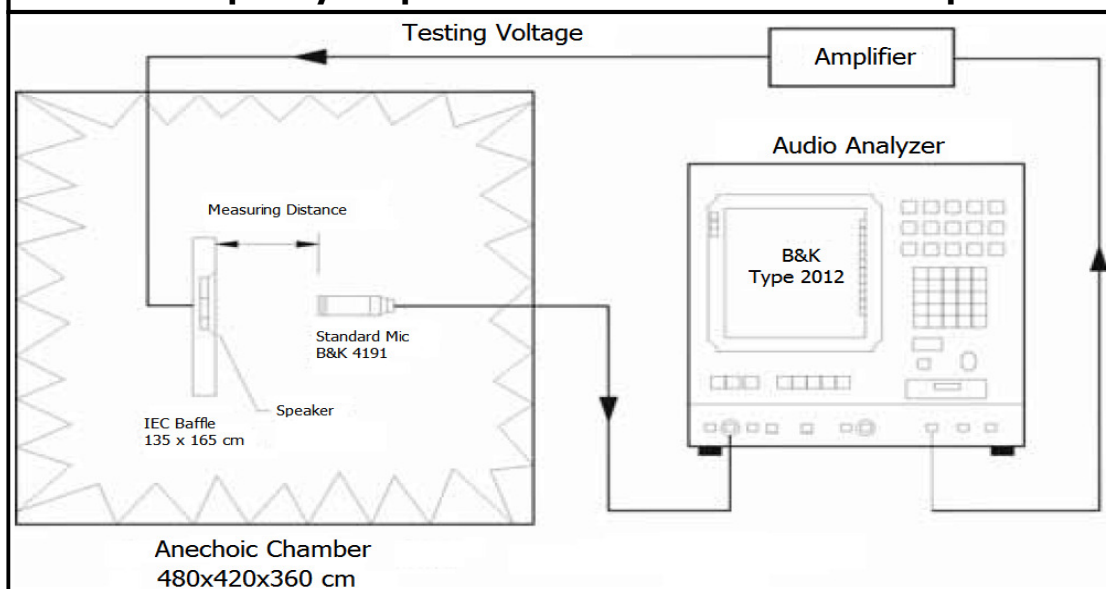
Test Description	Test Condition
High Temperature	80°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Low Temperature	-25°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Humidity	40°C ($\pm 2^\circ\text{C}$) with 90% to 95% relative humidity for 96 hours
Vibration	0.75 mm movement 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 80°C, 100 cycles

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

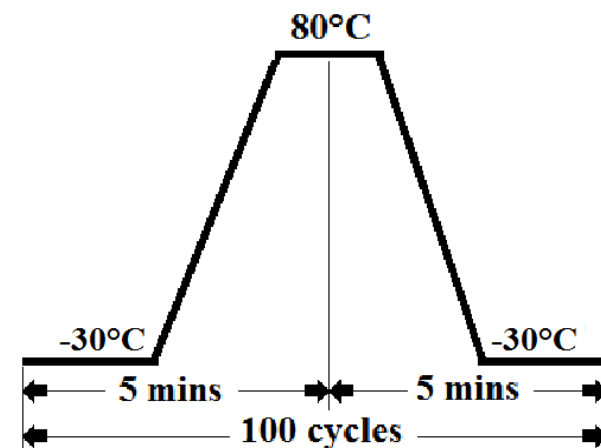
Wave Solder Profile



Frequency Response and SPL Measurement Setup



Temperature Cycle Test Graph



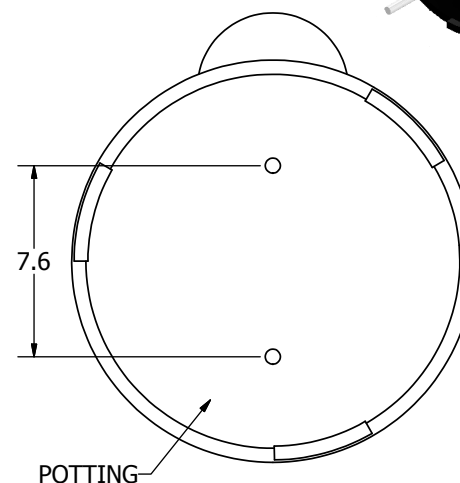
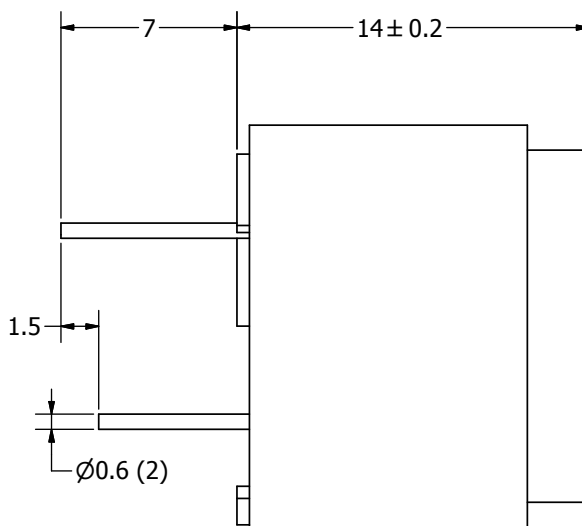
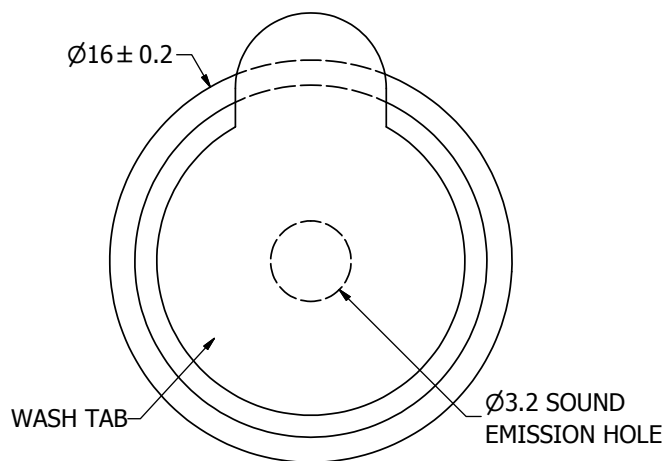
SPECIFICATIONS

PARAMETERS	VALUES	UNITS
RATED VOLTAGE	5	Vdc
OPERATING VOLTAGE RANGE	4 ~ 8	Vdc
RATED CURRENT (MAX)	30	mA
MINIMUM SPL @ 10 CM	85	dBA
RESONANT FREQUENCY	2,200 ± 300	Hz
TONE OR PULSE RATE	CONTINUOUS	0 pulse /sec
OPERATING TEMPERATURE	-20 ~ +70	°C
STORAGE TEMPERATURE	-30 ~ +80	°C
HOUSING MATERIAL	NORYL	-
TERMINAL MATERIAL	Sn PLATED COPPER	-
WEIGHT	7	grams

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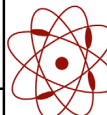
REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	8/19/2004	
A	REVISED RoHS STATEMENT	5/27/2005	B.R.
B	REVISED DIMENSION SIZE AND STYLE	11/21/2005	B.R.
C	REVISED TERMINAL MATERIAL	3/20/2006	B.R.
D	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	12/5/2007	B.R.



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL 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 A3	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date
		R.A.C.	8/19/2004			R.W.	8/19/2004	12/5/2007
	 pui audio ™ inc <small>a projects unlimited company</small>		AI-1622-TWT-5V-R					
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