

Excellent Integrated System Limited

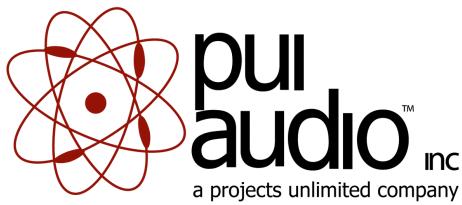
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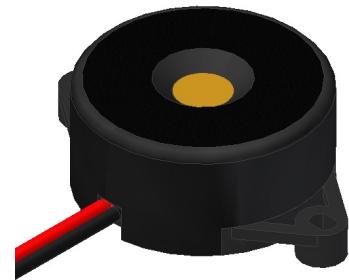
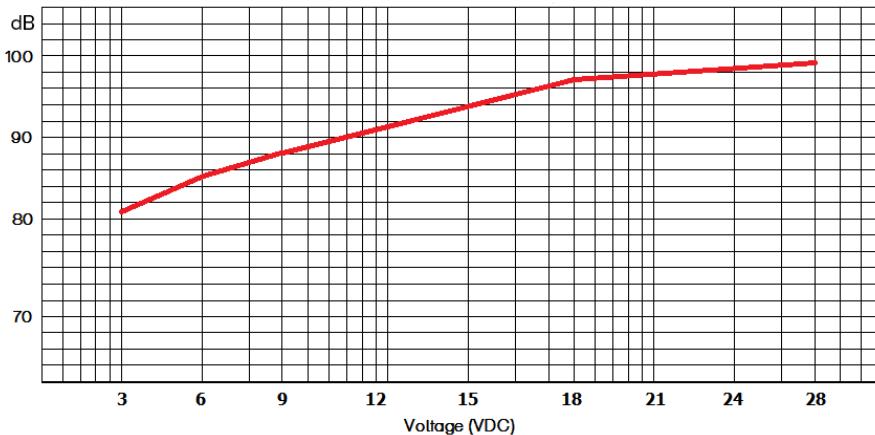
[PUI Audio, Inc.](#)
[AI-3245-TF-LW95-R](#)

For any questions, you can email us directly:

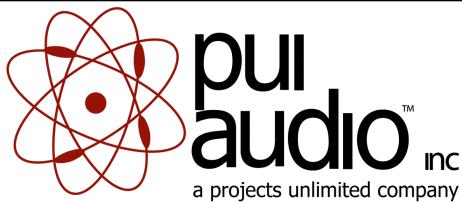
sales@integrated-circuit.com

**AI-3245-TF-LW95-R**
32mm Indicator**3541 Stop Eight Road • Dayton, Ohio 45414****Product Overview**

- 32mm diameter, 3-28 VDC self-drive indicator
- 90 dBA minimum output (12 VDC @ 10 cm) and 4,500 Hz continuous tone
- ABS housing and 95mm long 26 AWG UL1007 lead wires
- Built-on mounting tabs for quick, easy mounting

**SPL vs Voltage (measured @ 30 cm)**

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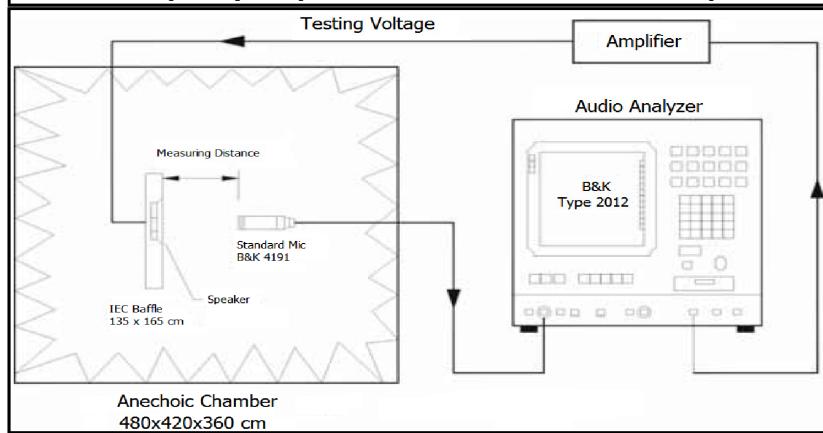
32mm Indicator

Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	+70°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Low Temperature	-30°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	1.5 mm movement modulated at 10-55 Hz for two hours in three directions
Drop Test	75 cm free fall onto wood board, 9 cycles
Temperature Cycle Test	-40°C to 95°C, five 3 hour cycles

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

Frequency Response and SPL Measurement Setup



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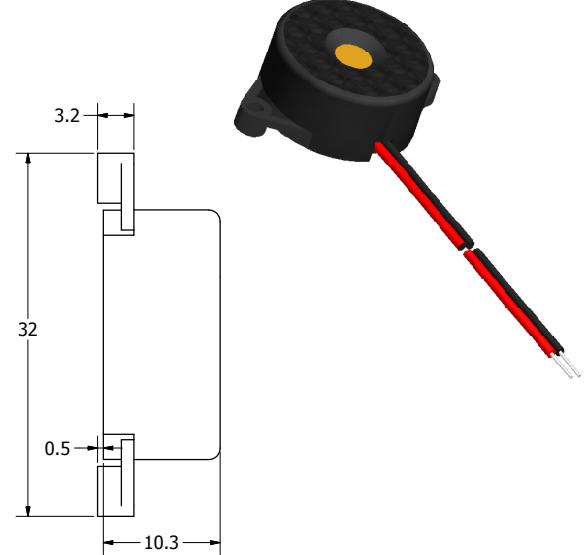
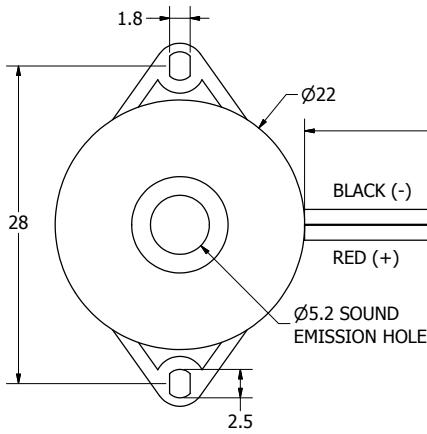
SPECIFICATIONS

PARAMETERS	VALUES	UNITS
RATED VOLTAGE	12	Vdc
OPERATING VOLTAGE RANGE	3 ~ 28	Vdc
RATED CURRENT (MAX)	5	mA
MINIMUM SPL @ 10 CM	90	dBA
RESONANT FREQUENCY	4,500 ± 500	Hz
TONE OR PULSE RATE	CONTINUOUS	0 pulse /sec
OPERATING TEMPERATURE	-20 ~ +60	°C
STORAGE TEMPERATURE	-30 ~ +70	°C
HOUSING MATERIAL	ABS	-
TERMINAL MATERIAL	LEAD WIRE	-
WEIGHT	5	grams

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REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	8/19/2004	
A	REMOVED LEAD FREE ADDED RoHS NOTE	8/10/2005	
B	REVISED TO INVENTOR 3-D DRAWING TEMPLATE & HEIGHT/SOUND HOLE DIMENSIONS	3/12/2008	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 R.A.C.	Date 8/19/2004	Checked by	Date	Approved by R.W.	Date 8/19/2004	Drawn Date 3/12/2008
	A3							



AI-3245-TF-LW95-R

Indicator

Edition
-
Sheet
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