

## Excellent Integrated System Limited

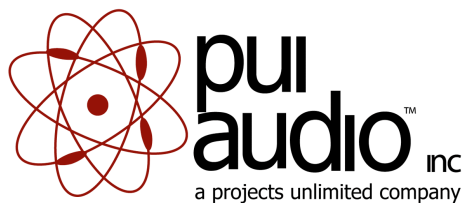
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[PUI Audio, Inc.](#)  
[AI-3245-TF-LW95-R](#)

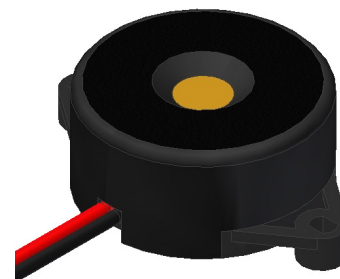
For any questions, you can email us directly:

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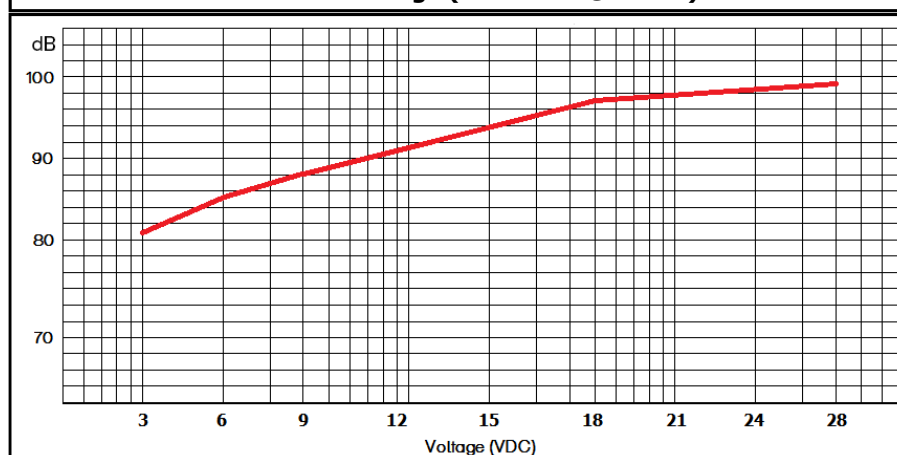
## AI-3245-TF-LW95-R 32mm Indicator



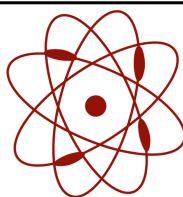
### Product Overview

- 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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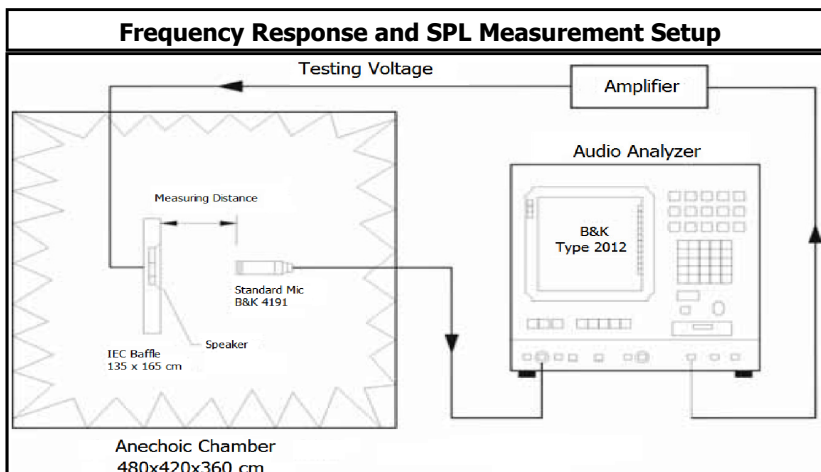
**pui  
audio**™ inc  
a projects unlimited company

## AI-3245-TF-LW95-R 32mm Indicator

### Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	+70°C (±2°C) with random humidity for 96 hours
Low Temperature	-30°C (±2°C) with random humidity for 96 hours
Humidity	40°C (±2°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



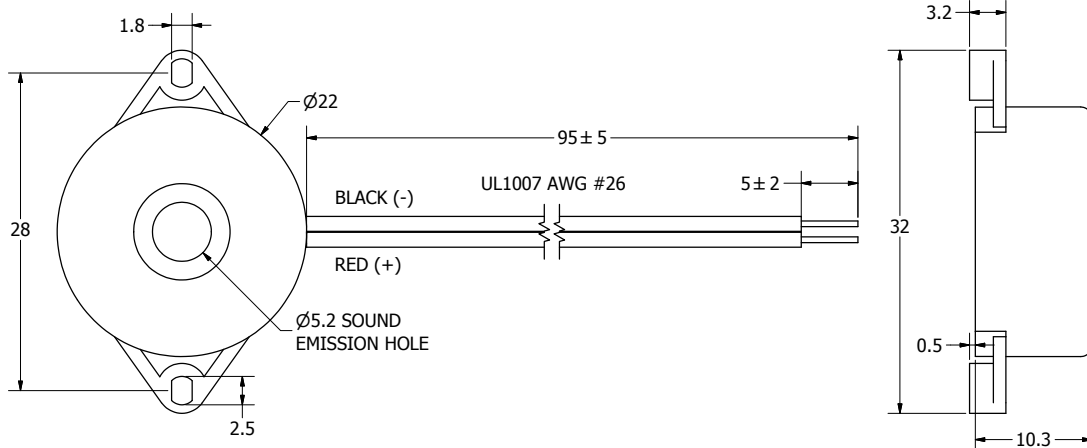
## SPECIFICATIONS

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 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 <b>A3</b>	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
AI-3245-TF-LW95-R.idw		 <b>pui audio</b> a projects unlimited company		<b>AI-3245-TF-LW95-R</b> Indicator			Edition -	Sheet 1 / 1