

Excellent Integrated System Limited

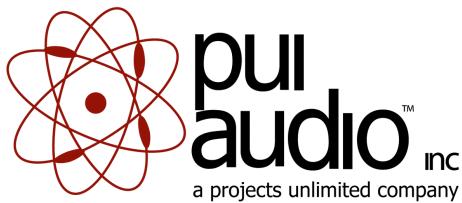
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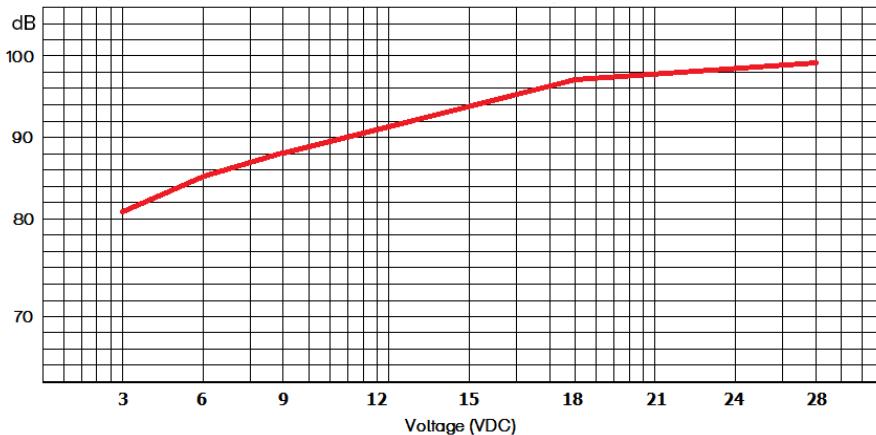
[PUI Audio, Inc.](#)
[AI-3435-TF-LW140-R](#)

For any questions, you can email us directly:

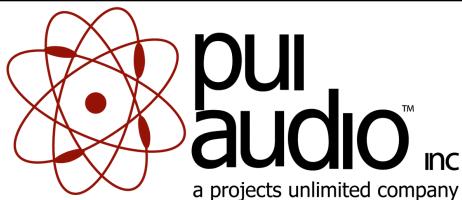
sales@integrated-circuit.com

**AI-3435-TF-LW140-R**
34mm Indicator**3541 Stop Eight Road • Dayton, Ohio 45414****Product Overview**

- 34mm diameter, 3-28 VDC self-drive indicator
- 96 dBA minimum output (12VDC @ 10 cm) and 3,500 Hz continuous tone
- ABS housing and 140mm long 24 AWG UL1007 lead wires
- Built-on mounting tabs for quick, easy mounting

SPL vs Voltage (measured @ 30 cm)

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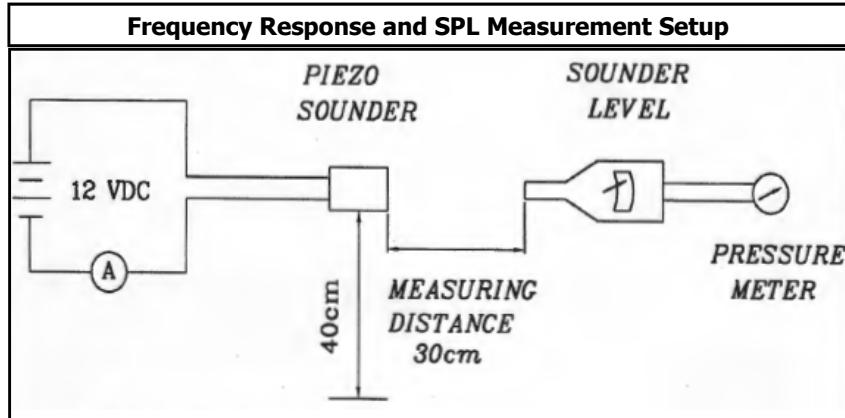
AI-3435-TF-LW140-R

34mm Indicator

Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	+95°C ($\pm 2^\circ\text{C}$) with random humidity for 96 hours
Low Temperature	-40°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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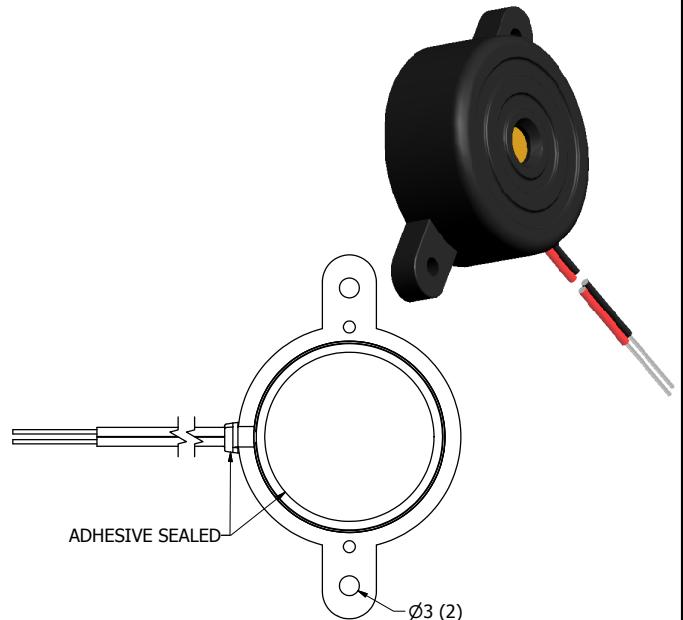
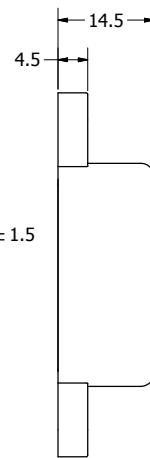
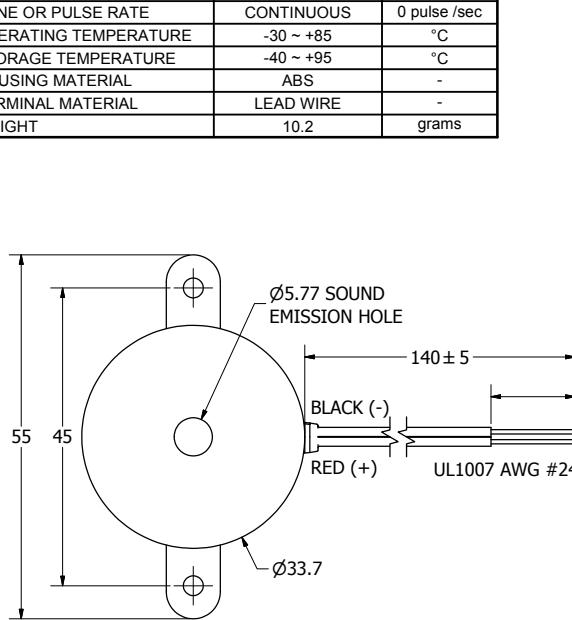
SPECIFICATIONS

PARAMETERS	VALUES	UNITS
RATED VOLTAGE	12	Vdc
OPERATING VOLTAGE RANGE	3 ~ 28	Vdc
RATED CURRENT (MAX)	5	mA
MINIMUM SPL @ 10 CM	96	dBA
RESONANT FREQUENCY	3,500 ± 500	Hz
TONE OR PULSE RATE	CONTINUOUS	0 pulse /sec
OPERATING TEMPERATURE	-30 ~ +85	°C
STORAGE TEMPERATURE	-40 ~ +95	°C
HOUSING MATERIAL	ABS	-
TERMINAL MATERIAL	LEAD WIRE	-
WEIGHT	10.2	grams

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REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	8/15/2005	
A	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	2/21/2008	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 A3	Designed by J.A.F.	Date 8/15/2005	Checked by E.P.	Date 8/16/2005	Approved by B.R.	Date 8/16/2005	Drawn Date 2/21/2008
AI-3435-TF-LW140-R.idw		 pui audio TM a projects unlimited company	AI-3435-TF-LW140-R	Indicator	-	1 / 1		