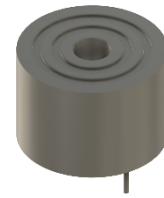




PUIaudio



Data Sheet

AI-2435-TT-HT

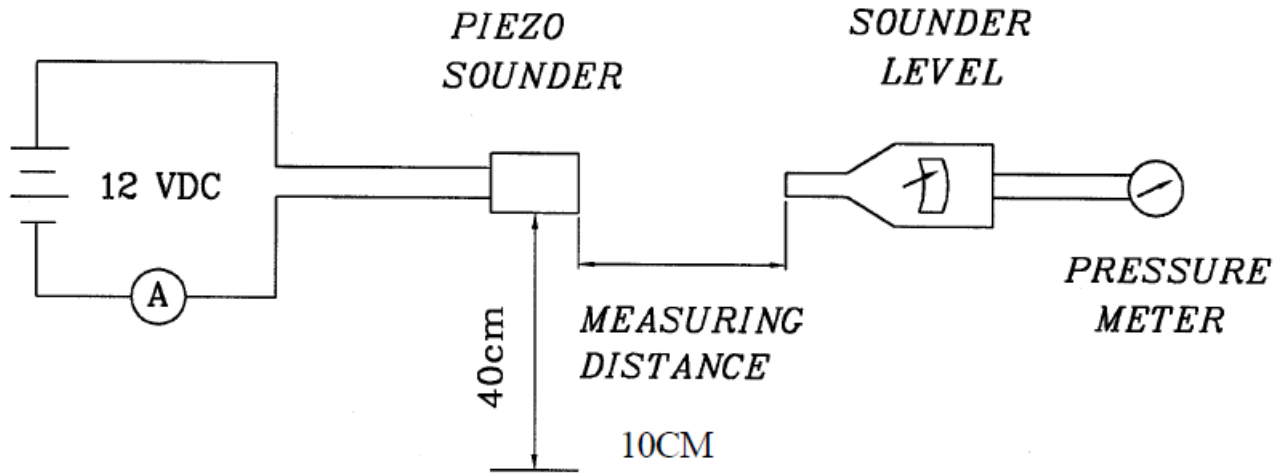
Features:

- 24mm indicator
- Through Hoole for ease of installation
- Wide voltage range for variety of uses

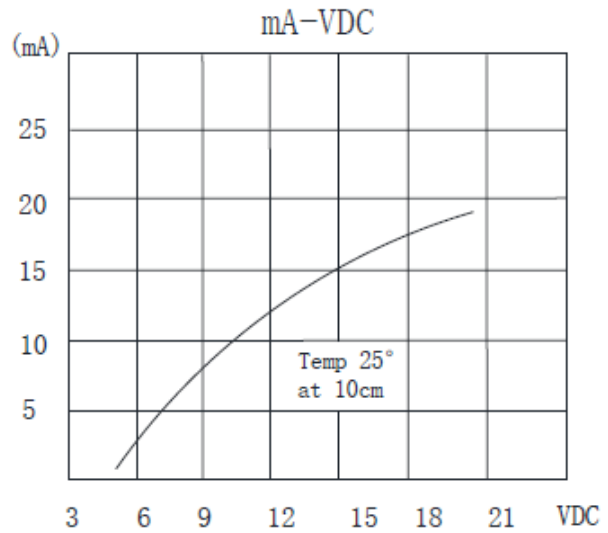
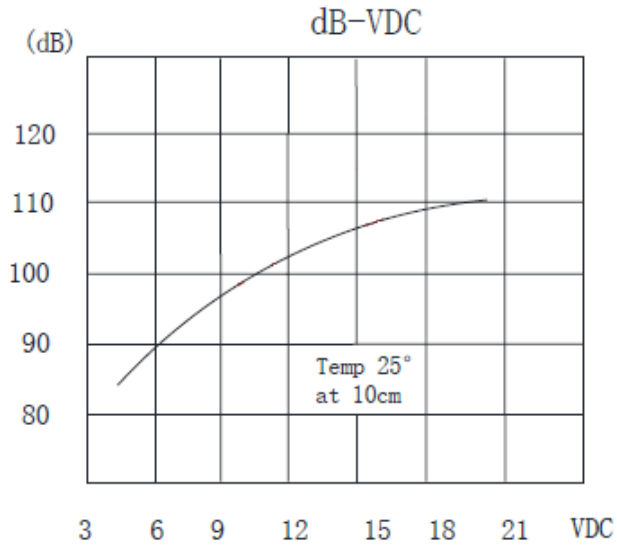
Specifications

Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	5 ~ 20	VDC
Current Draw at Rated Voltage	20	mA
Minimum SPL @ 10cm	100	dBA
Resonant Frequency	3500 ± 500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	PPO (Black)	-
Terminal Material	Sn Plating	-
Weight	5.2	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
Environmental Compliances	<i>RoHS/REACH</i>	Ex. 7c-1 for piezo type
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-40 ~ 85	°C

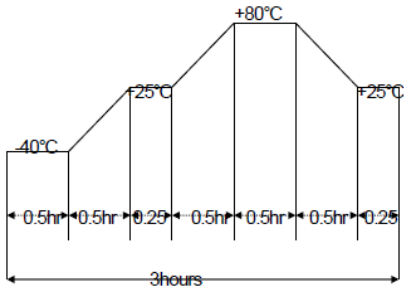
Measurement Method (list test conditions here)



Typical SPL vs Input Voltage

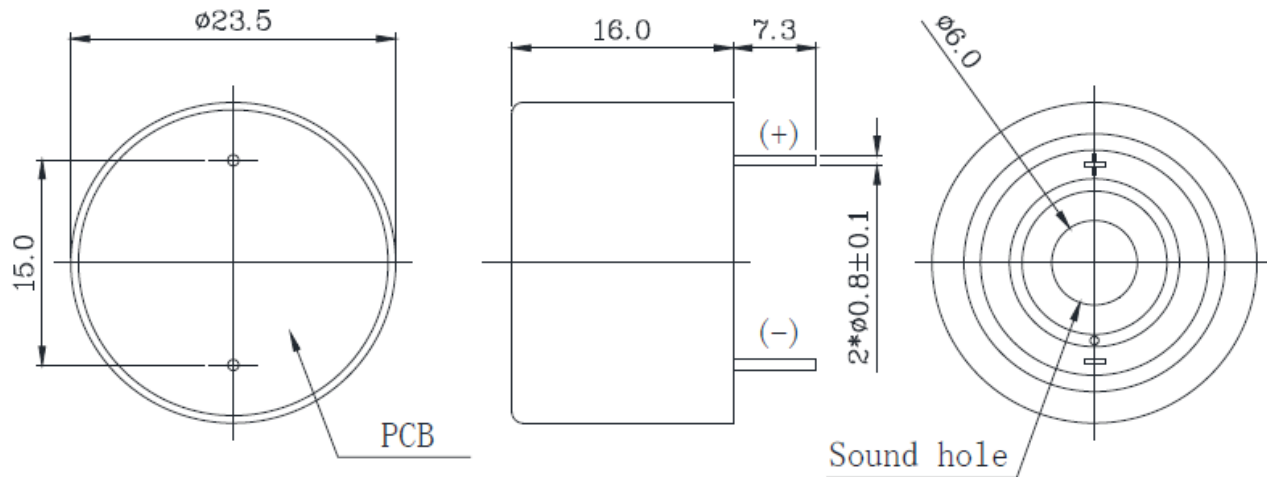


Reliability Testing

Type of Test	Test Specifications
High Temperature Test	96 hours at 80°C
Low Temperature Test	96 hours at -40°C
Humidity Test	96 hours at 40°C with relative humidity at 90%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of: 
Vibration Test	Frequency: 10Hz to 55Hz; Amplitude: 1.55mm 2 hours in each of the X,Y, and Z axes
Drop Test	Drop from a height of 75cm onto a 40mm thick board 3 times in each of the X, Y, and Z axes

After each test, let the part rest for 4 hours, then the change in SPL shall be within $\pm 10\text{dB}$

Dimensions



Packaging

Out Box	310mmx248mmx49mm	2x125PCS=250PCS
Carton Box	550mmx330mmx290mm	250PCSx10=2500PCS

Specifications Revisions

Revision	Description	Date	Approved
A	Released from Engineering	11/27/24	JD

Note:

- Unless otherwise specified:
 - All dimensions are in millimeters.
 - Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
- Specifications subject to change or withdrawal without notice.