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Data Sheet	AI-4228-TF-LW140-7-R

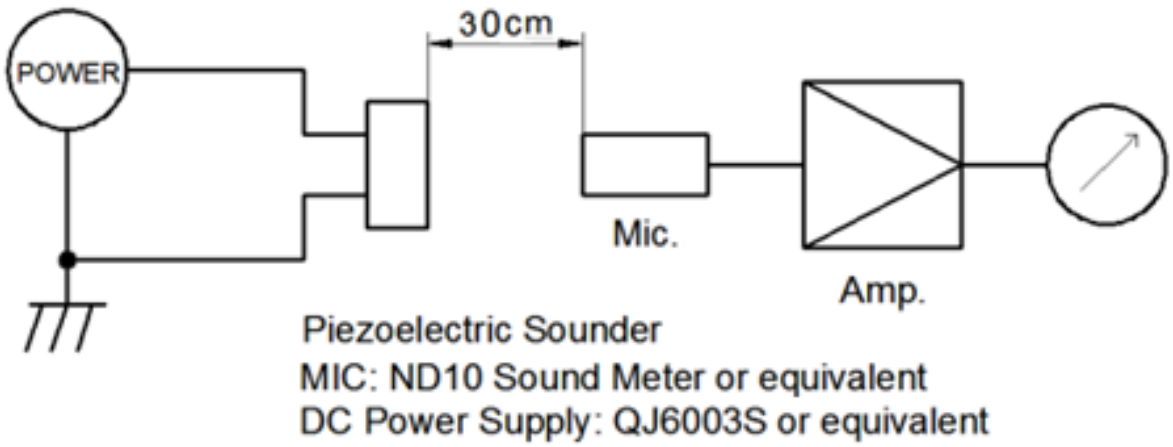
Features:

- Continuous tone
- 100 dB output with 12 VDC input @ 30cm, 110 dB @ 10cm
- 3 to 20 VDC voltage range

Specifications

Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	3 ~ 20	VDC
Current Draw at Rated Voltage	≤12	mA
Minimum SPL @ 30cm	≥100	dBA
Resonant Frequency	2800 ±500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	ABS	-
Weight	12	Grams
Acceptable Soldering Methods	Hand Solder	-
Environmental Compliances	RoHS	-
Storage Temperature	-30 ~ +80	°C
Operating Temperature	-20 ~ +70	°C

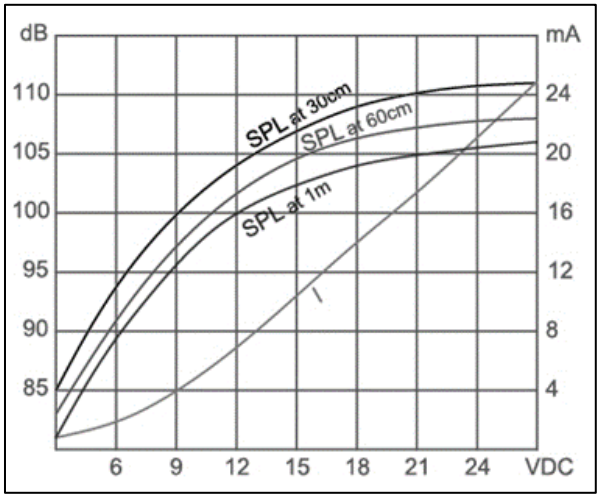
Measurement Method (12 VDC input)



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Typical SPL and Current Draw vs Input Voltage



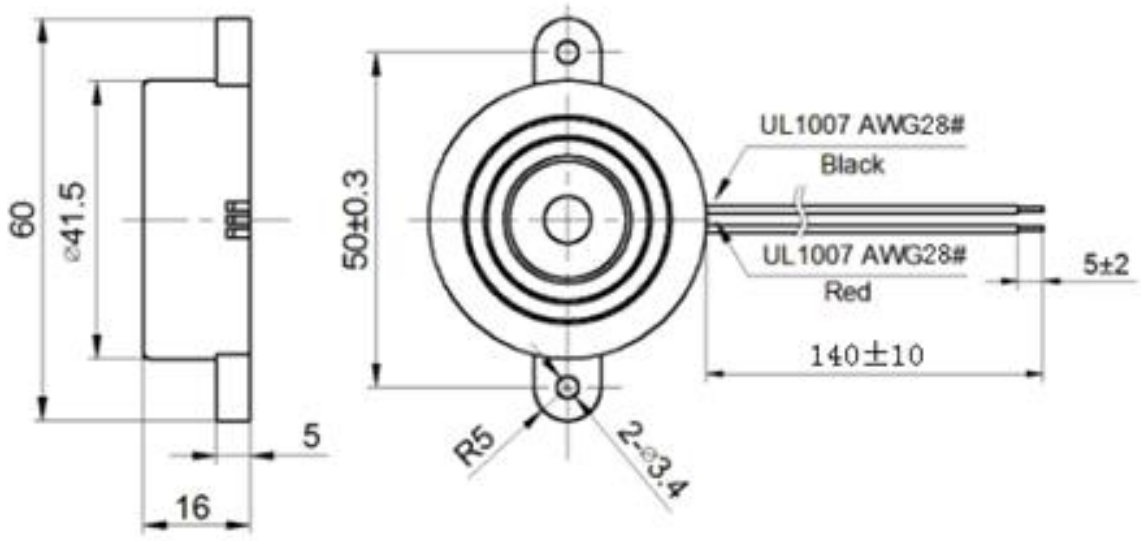
Reliability Testing

Type of Test	Test Specifications
High Temperature Test	+80±2°C, 96 Hours
Low Temperature Test	-30±2°C, 96 Hours
Humidity Test	40±2°C, 93 (+2/-3) % RH for 96 Hours
Temperature Cycle Testing	-30±2°C, 30minutes +20±2°C, 15 minutes +80±2°C, 30 minutes +20±2°C, 15 minutes Total of 5 cycles
Vibration Test	Apply 10 to 55 Hz vibration frequency to each of 3 perpendicular directions for 2 hours.
Drop Test	The part shall be dropped from the height of 70cm onto a 10mm thick wooden board; 3 times per axial direction (x, y &z) a total of 9 times.

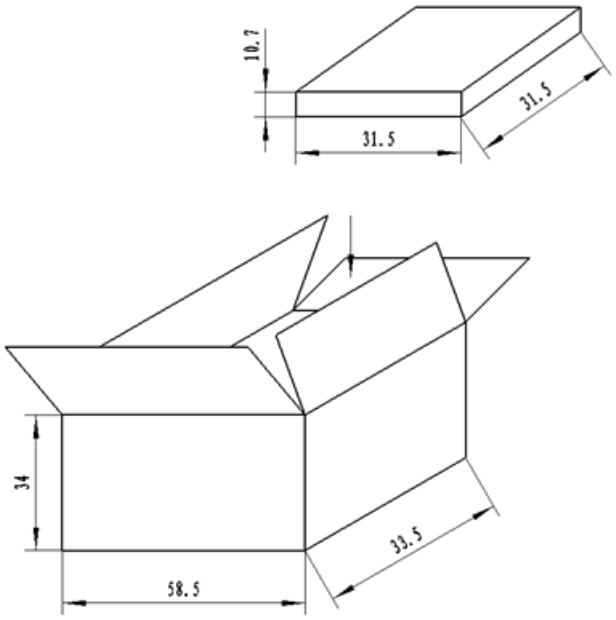
After being placed for 4 hours at room temp, the product shall meet specifications, except the SPL should be within ±10dB compared with the initial value.

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Dimensions (All dimensions in mm, tolerance ±0.5mm unless otherwise noted)



Packaging



NOTES:

1.200 PCS per plate

2.Total 5 plate per box

3.Total 1000 PCS box

4.Volume: 58.5*33.5*34cm

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Specifications Revisions

Revision	Description	Date
-	Released from Engineering	5/26/2020

Note:
1. Unless otherwise specified:
   A. All dimensions are in millimeters.
   B. Default tolerances are ±0.5mm and angles are ±3°.
2. Specifications subject to change or withdrawal without notice.

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