



PUIaudio



Data Sheet

AI-4429-P-CP12-3-R

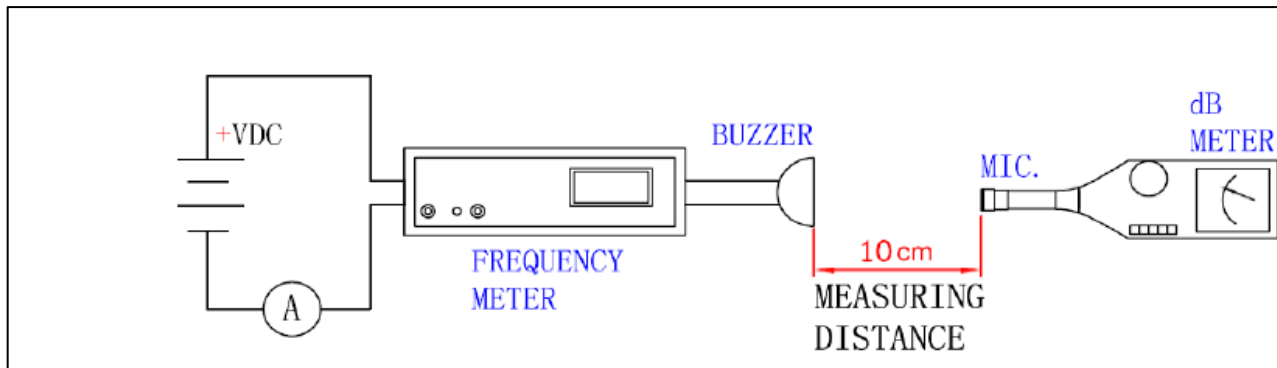
Features:

- 12Vdc Dual Tone Indicator
- 43mm diameter X 33.5mm height
- Minimum 105dB output at 10cm
- Weighs 38.5 grams

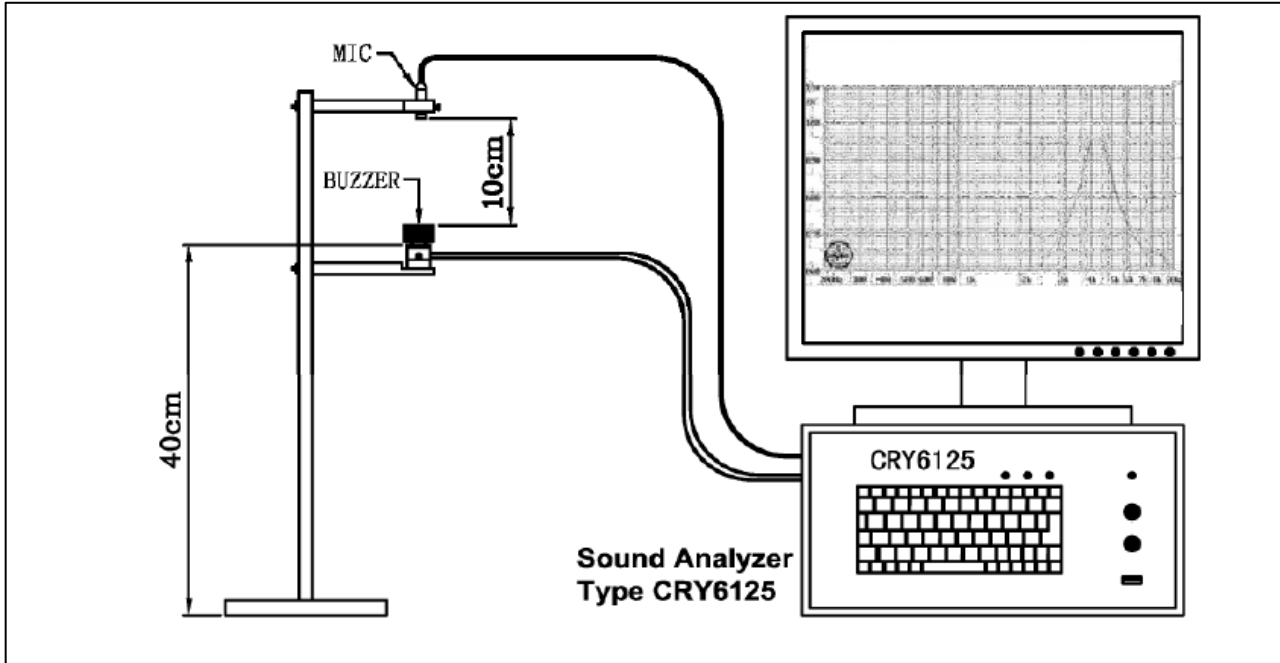
Specifications

Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	4 ~ 16	VDC
Current Draw at Rated Voltage	25 Max.	mA
Minimum SPL @ 10cm	105	dB
Resonant Frequency	2,900±500	Hz
Tone or Pulse Rate	Continuous + Slow Pulse	1.5 pulse per second
Housing Material	ABS(Black)	-
Terminal Material	Ni plated Faston	-
Weight	38.5	Grams
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-30 ~ +70	°C
Operating Temperature	-20 ~ +60	°C

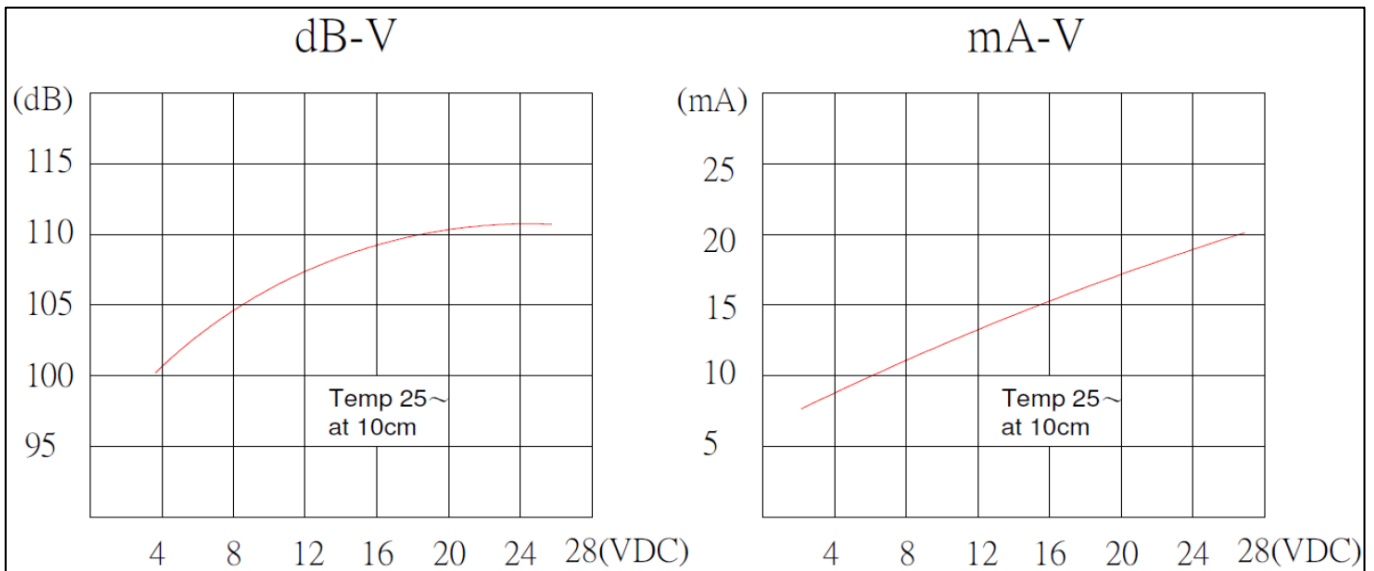
Measurement Method (For oscillation frequency, current, and SPL @ 12VDC/SPL meter spaced at 10cm)



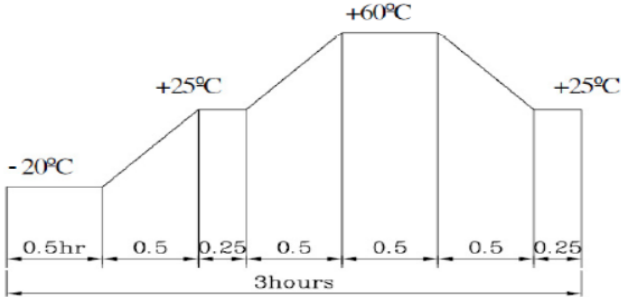
Measurement Method (For continuous tone @ 12VDC/SPL meter spaced at 10cm)



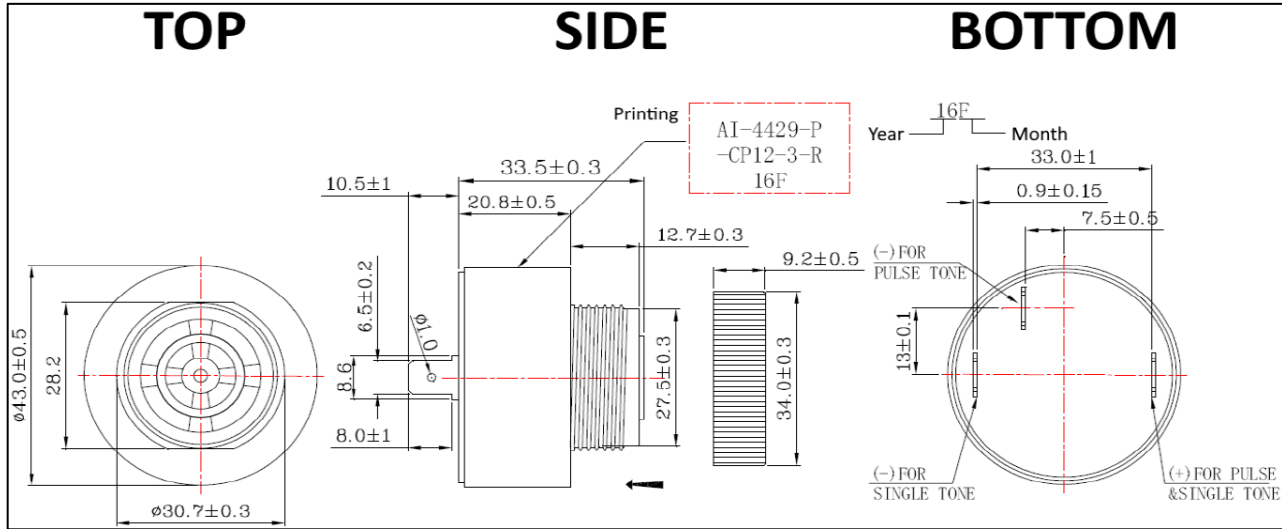
Typical Frequency Response



Reliability Testing:

NO.	ITEM	TESTING CONDITION
1	Humidity	40±2°C, 90-95%RH, 96HRS
2	High temp.	+70±2°C, 96HRS
3	Low temp.	-30±2°C, 96HRS
4	Temperature cycling	 <p style="text-align: center;">5 cycles</p>
5	Drop test	Drop 6 times any direction from height of 75cm onto the surface of 4cm thick wooden board.
6	Vibration test	Make the test for the directions of X Y and Z (total 2 hours). To-and-fro sweep time (from 10 to 55 Hz and then 55 to 10) under single amplitude of 1.5mm is 1 minute/axis.
7	Solderability Test	Lead terminals are immersed in rosin for 5 minutes and then immersed in solder bath of 270±5°C for 3±0.5seconds.
8	Terminal Mechanical Strength	The force of 9.8N(1.0Kg) is applied to each terminal in axial direction for 10 seconds

Dimensions



Packaging



25pcs per box



Master carton size: 46cm*23cm*39cm Qty per Carton: 25pcs/box*20 boxes=500pcs/box



Use waterproof thin film to wrap the carton

Specifications Revisions

Revision	Description	Date
A	RELEASED FROM ENGINEERING	8/31/2020

Note:

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