



PUIaudio



Data Sheet

X-2629-TWT-FP-R

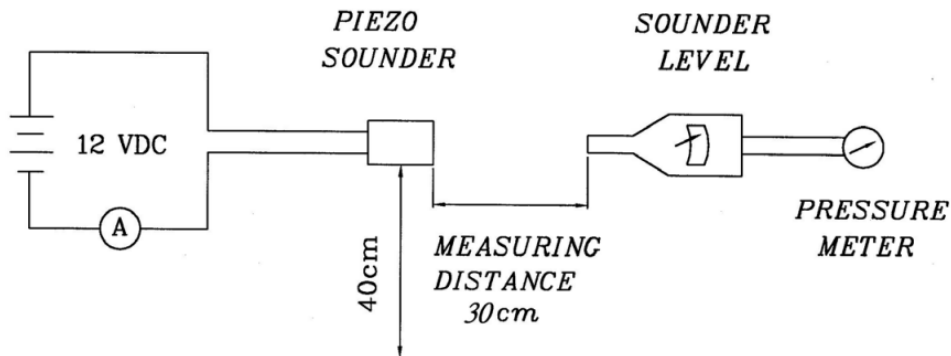
Features:

- 12Vdc Pulse tone, siren sweep
- 98dB @ 30cm
- Wave Solder and Washing Allowed

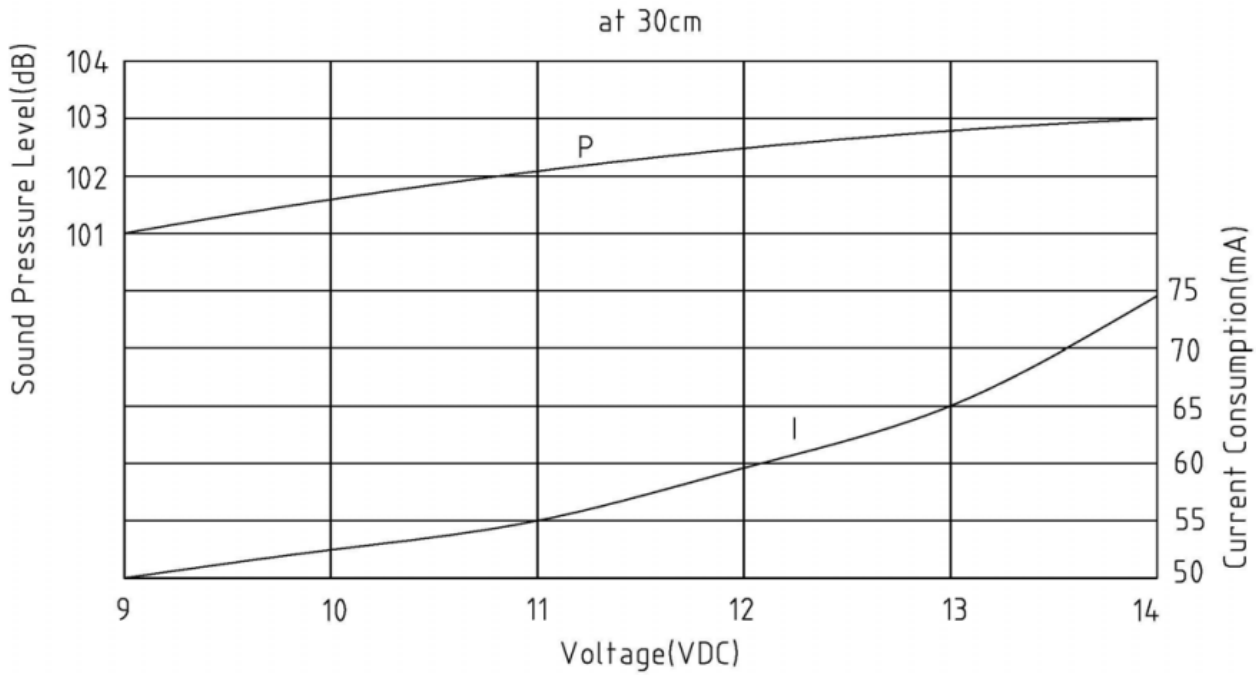
Specifications

Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	9 ~ 14	VDC
Current Draw at Rated Voltage	70 (Max.)	mA
Minimum SPL @ 30cm	98	dB
Resonant Frequency	2000~4000	Hz
Tone or Pulse Rate	Pulse	4.9±20%Hz
Housing Material	PC + 10% Glass	-
Terminal Material	Sn Plating Cooper	-
Weight	12.2	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	See following pages for details
Environmental Compliances	RoHS/REACH	Exempt. 7c-1
Storage Temperature	-40 ~ 80	°C
Operating Temperature	-20 ~ 60	°C

Measurement Method



Typical SPL vs Input Voltage

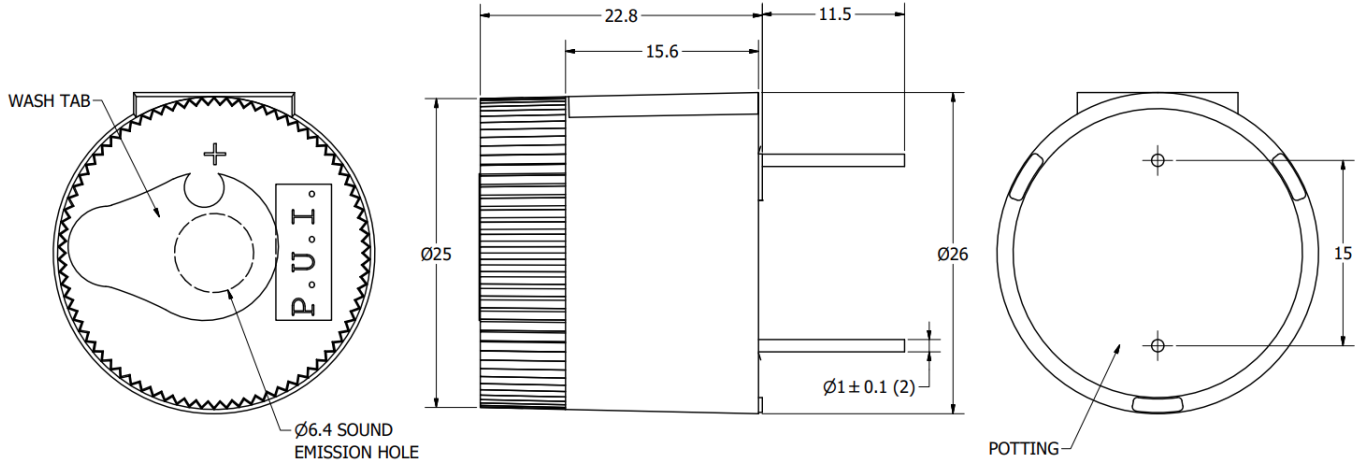


Reliability Testing

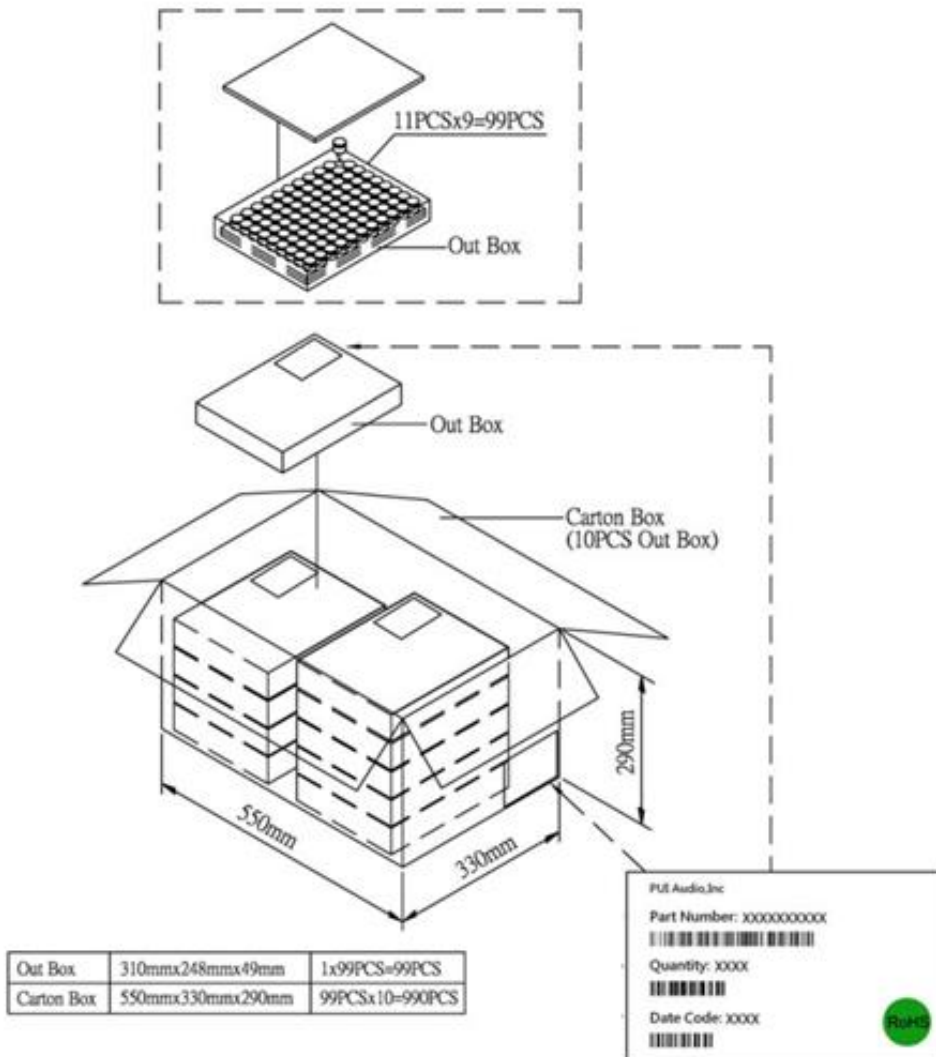
Type of Test	Test Specifications
High Temperature Test	240 hours at 80°C.
Low Temperature Test	240 hours at -40°C.
Humidity Test	240 hours at 40°C with relative humidity at 90±5%
Temperature Cycle Testing	<p>5 cycles of the above test.</p>
Vibration Test	10 to 55Hz, with amplitude of 1.5mm, during 2 hours to each 3 perpendicular directions.
Drop Test	Height of 75cm onto a 44mm thick wooden board, 3 times in axes (x, y, z). (9 times total).

The value of oscillation frequency/ current consumption should be in ±10% compared with initial ones. The SPL should be in ±10dB compared with the initial one.

Dimensions



Packaging



Specifications Revisions

Revision	Description	Date	Approved
-	Released from Engineering	01/07/2016	
A	Revised operating temperature	07/05/2018	MV
B	Revised weight	02/26/2020	MV
C	Update Spec Format, Add details for Reliability, Packaging, etc.	09/04/2024	ML

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.