This document contains data proprietary to PUI Audio Inc. Any use or reproduction, in any form, without prior written permission of PUI Audio Inc. is prohibited. ©2023, PUI Audio Inc.





Specifications

Parameters	Values	Units	
Rated Input Power	1		
(1cc enclosure)		Watts	
Max Input Power	1.2		
(1cc enclosure)		Watts	
Impedance	8 ± 15%		
(@ 1.5 kHz, 1∨)		Ohms	
Output SPL	90 ± 3		
(2kHz @ 0.1W/0.1M) (1cc enclosure)		dB	
Output SPL (Free Air Average)		dB	
(0.6, 0.8, 1.0, 1.5 kHz @ 0.1W/0.1M)	84 ± 3	(Reference Level 0dB SPL =	
Personant Fraguenov	EEO ± 20%	20μΡά)	
	550 ± 20%	Hz	
Frequency Range	550 ~ 5000	Hz	
	< 10%	112	
(1kHz @ 1W) (1cc enclosure)		-	
Frame Material	PPA	_	
Magnet Material	NdFeB	-	
Diaphragm Material	Peek	-	
Weight	1.5	Grams	
Acceptable Soldering Methods	Hand Solder	-	
	Should not be audible		
Buzz, Rattle, etc.	when driven with sine		
(Free Air)	wave	Fo~20k @ 0.89 V	
Environmental Compliances	rohs/reach	-	
	Cone moves forward		
	when positive DC current		
Polarity	is applied to (+) terminal		
Storage Temperature	-40 ~ +85	°C	
Operating Temperature	-20 ~ +60	°C	

All specifications measured at 5 ~ 35°C, 45~85% RH, under 86~106 kPa of pressure, unless otherwise noted.

This document contains data proprietary to PUI Audio Inc. Any use or reproduction, in any form, without prior written permission of PUI Audio Inc. is prohibited. ©2023, PUI Audio Inc.

Measurement Method



Block Diagram for Measurement Method



Speaker Test Setup

This document contains data proprietary to PUI Audio Inc. Any use or reproduction, in any form, without prior written permission of PUI Audio Inc. is prohibited. ©2023, PUI Audio Inc.



Typical Frequency Response (0.1W / 0.1M / 1cc enclosure)

Total Harmonic Distortion Curve (0.1W / 0.1M / 1cc enclosure)



This document contains data proprietary to PUI Audio Inc. Any use or reproduction, in any form, without prior written permission of PUI Audio Inc. is prohibited. ©2023, PUI Audio Inc.

Kendoniy resning	
Type of Test	Test Specifications
High Temperature Test	96 hours at +60±3°C
Low Temperature Test	96 hours at -20±3°C
Humidity Test	96 hours at +20±3°C, 92-95% RH
Temperature Cycle Test	Part tested for 5 cycles, 6 hours per cycle according to the profile
	Frequency: 10~55~10Hz Oct/min Amplitude: 1.5mm
Vibration Test	Duration: 2 hours per 3 perpendicular directions (XYZ)
Operation Life Test	Pink noise applied at rated power for 96 hours
Drop Test	Dropped in a typical enclosure onto 40mm thick board from 75cm, 10x
Termination Strength Test	3.0N applied to each terminal in horizontal direction for 30 seconds; 2.0N applied to each terminal in vertical direction for 30 seconds

Parts should confirm to original performance within +/- 3dB following testing at rated power and a 6 hour rest period

Dimensions (Tolerance: ±0.15mm, unless otherwise stated)



Reliability Testina

Packaging

80 pcs/ t 20 trays ,	ray 1 carton	
Total:	1600 pcs / carton	310 230
Gross Weight	4.5 kgs	
Net Weight	3.0 kgs	

Specifications Revisions

Revision	Description	Date
А	Released from Engineering	8/30/2023

Note:

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