



PUI audio



Data Sheet

SMT-1341-T-HT-2

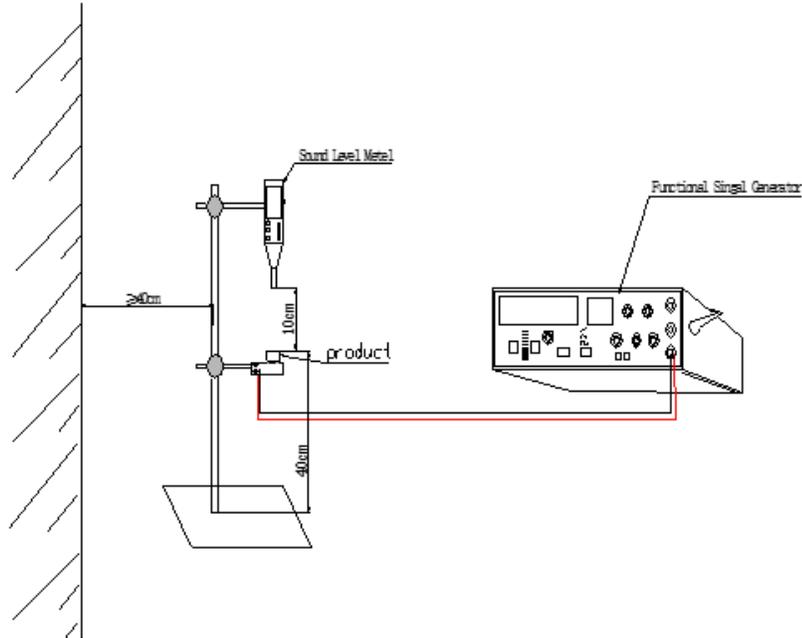
Features:

- 13mm x 13mm Piezoelectric transducer
- Low power consumption & no added EMI/EMC concerns
- Surface mount and 2.5mm height for low profile, easy installation
- Wide operating temperature range up to 105°C and as low as -40°C
- 85dB @ 5.0V (peak to peak)
- Resonant frequency of 4,100 Hz

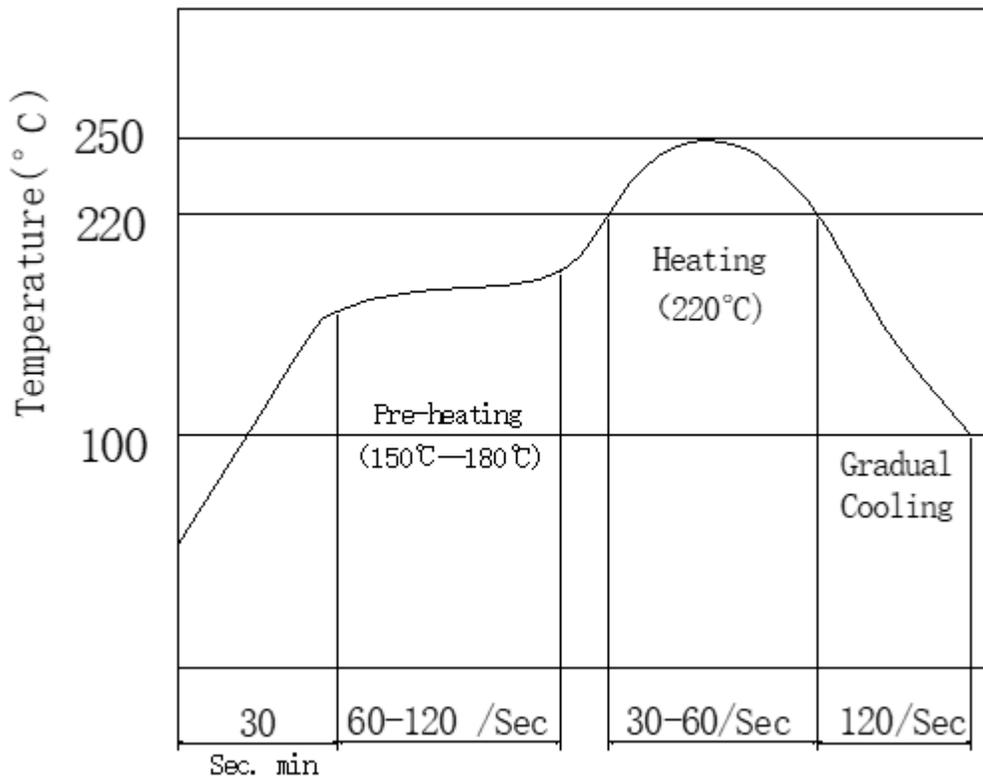
Specifications

Parameters	Values	Units
Rated Voltage	5	Vp-p
Operating Voltage Range	1 ~ 25	Vp-p
Current Draw at Rated Voltage	3	mA
Capacitance	16,000 ± 30%	pF
Minimum SPL @ 10cm	85	dBA
Resonant Frequency	4,100	Hz
Housing Material	LCP	-
Terminal Material	Brass	-
Weight	0.5	Grams
Acceptable Soldering Methods	Reflow Solder	See page 3 for soldering information
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-40 ~ 105	°C
Operating Temperature	-40 ~ 105	°C

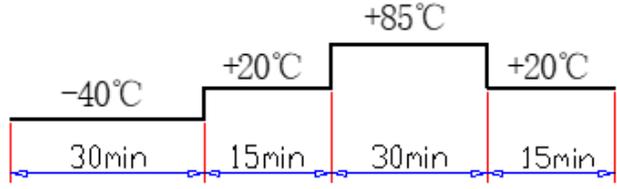
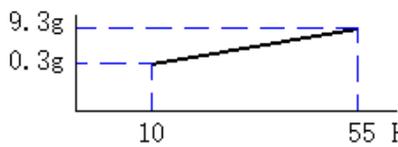
Measurement Method (3V, 4kHz)



Recommended Soldering Procedure

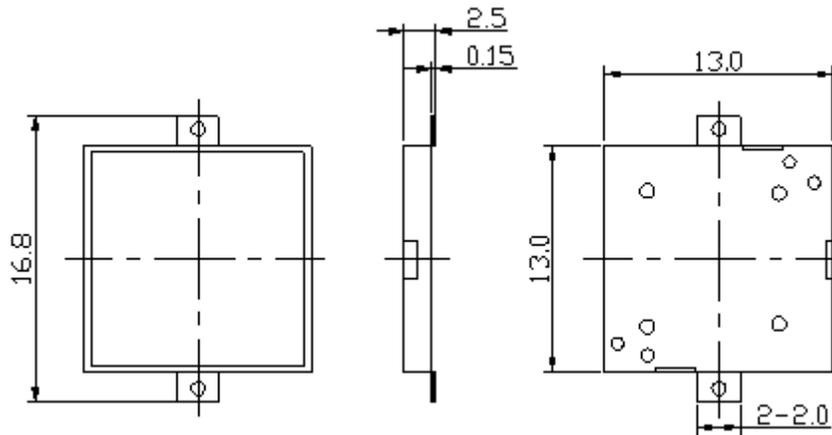


Reliability Testing

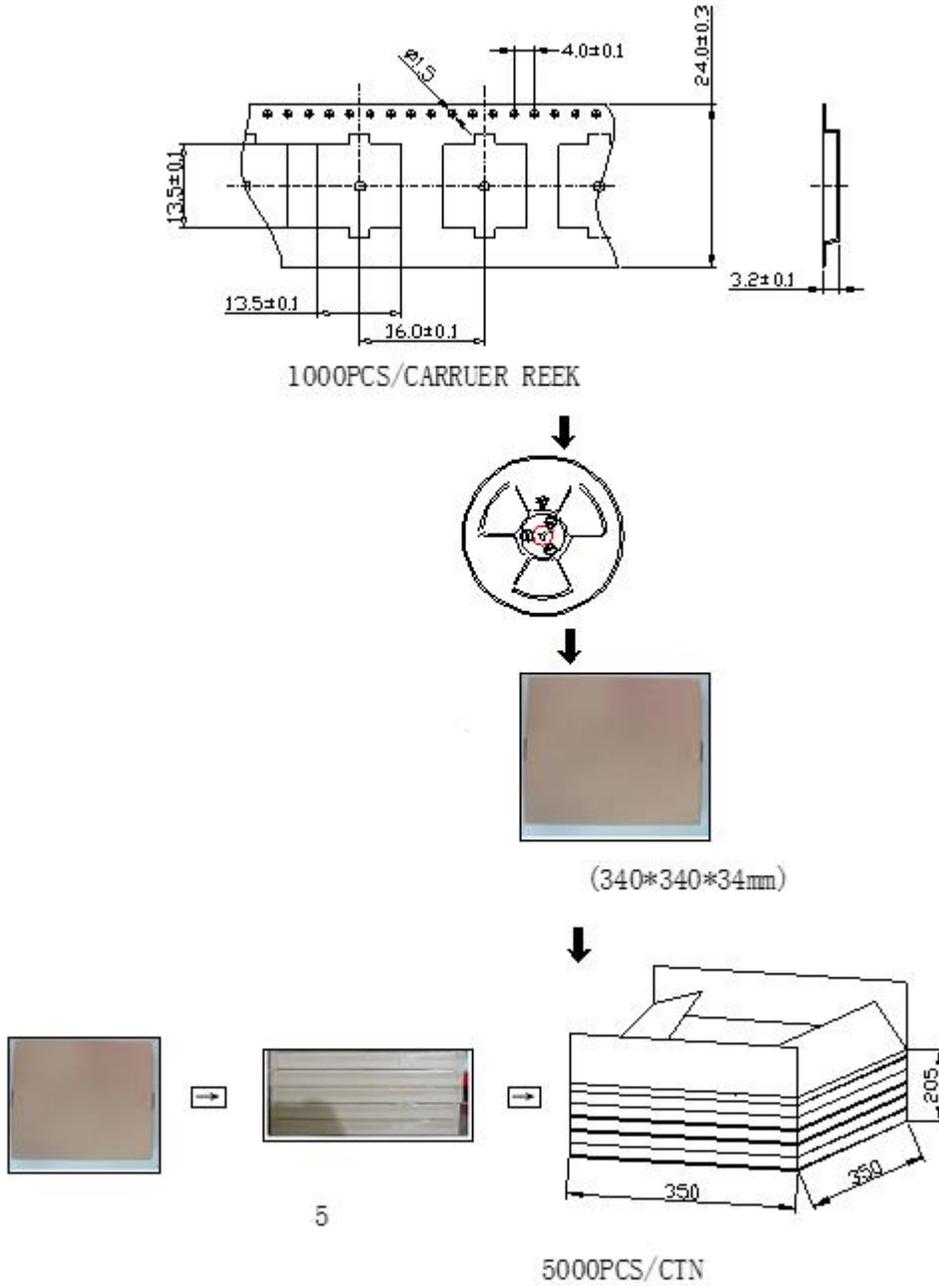
Type of Test	Test Specifications
High Temperature Test	96 hours at 85°C
Low Temperature Test	96 hours at -40°C
Humidity Test	96 hours at 40°C with relative humidity at 90~-5%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of: 
Vibration Test	Run in the X, Y, and Z directions for 2 hours each at: Amplitude: 1.5mm Time : 1min/axis 
Drop Test	Free drop a unit from the height 70cm to the surface of 10mm thick board, three directions(X,Y,Z).

After each test, let rest for 2 hours and then the change in SPL shall be within $\pm 5\text{dB}$

Dimensions



Packaging



Specifications Revisions

Revision	Description	Date	Approved
A	Released from Engineering	11/30/2023	
B	Revised SPL, Operating Temperature, and Storage Temperature	1/26/2024	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.