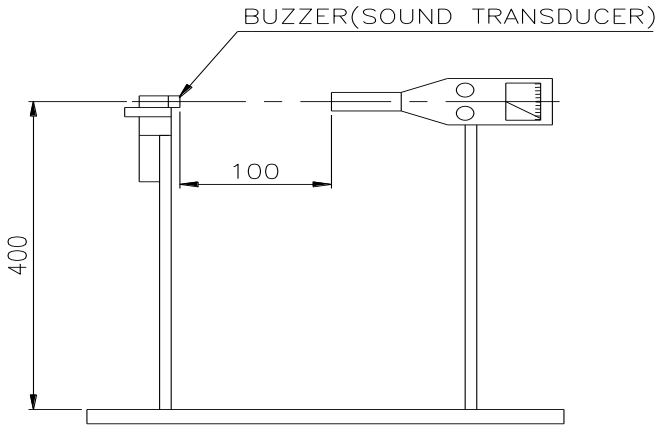
Data Sheet	SMT-0927-S-14-R

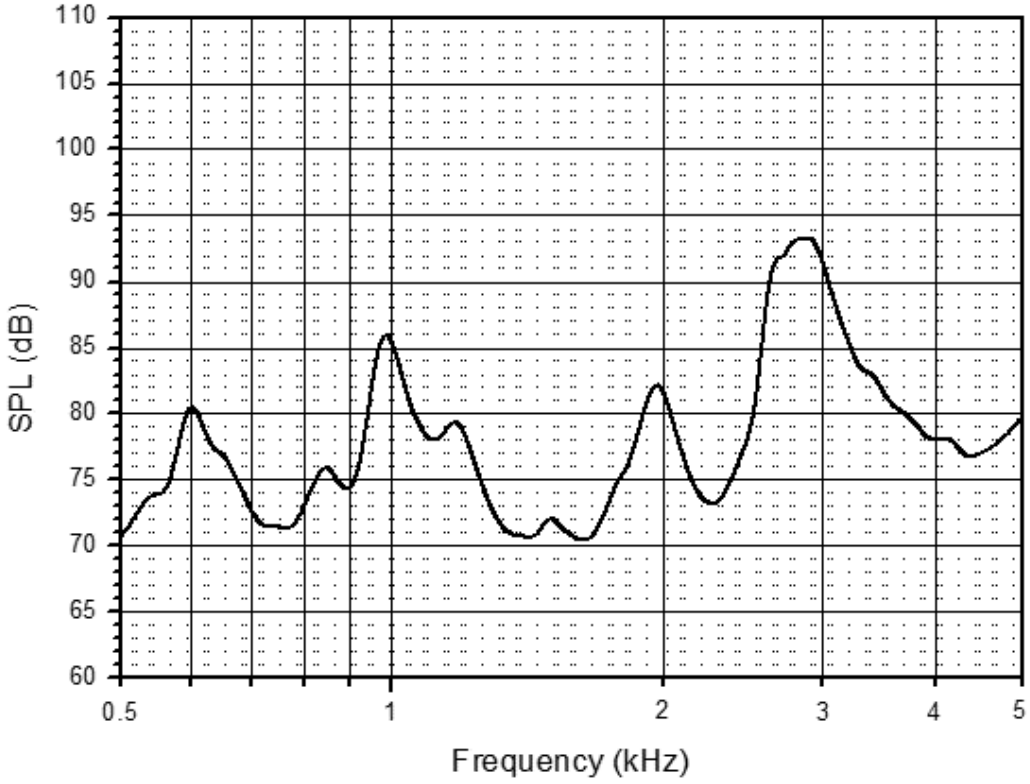
Specifications

Parameters	Values	Units
Rated Voltage	3.6	V
Operating Voltage Range	2.5 ~ 4.5	V
Current Draw at Rated Voltage	45	mA
Coil Resistance	52 ± 3.5	Ohms
Minimum SPL @ 10cm	87	dBA
Resonant Frequency	2,731	Hz
Weight	0.4	Grams
Environmental Compliances	*RoHS/REACH*	-
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-40 ~ 85	°C

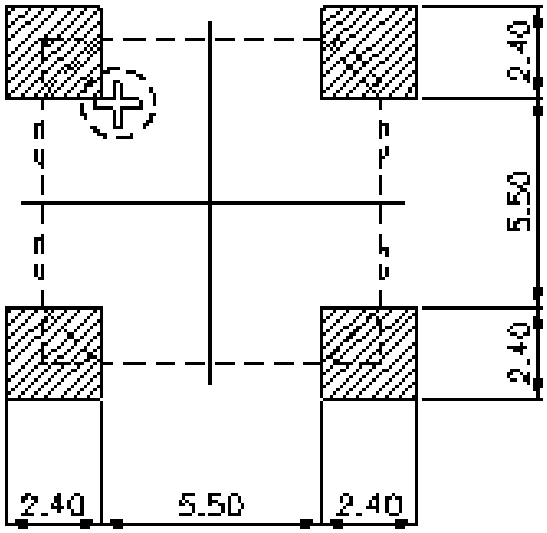
Measurement Method **(Temp: 5 ~ 35 °C; Humidity: 45 ~ 85%; Atmosphere: 860 ~ 1060hPa)**



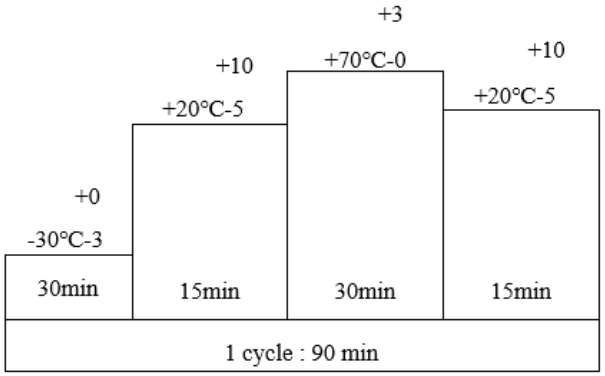
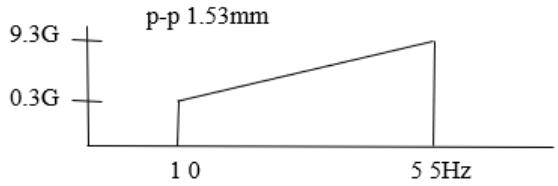
Typical Frequency Response



Recommended Land Pattern

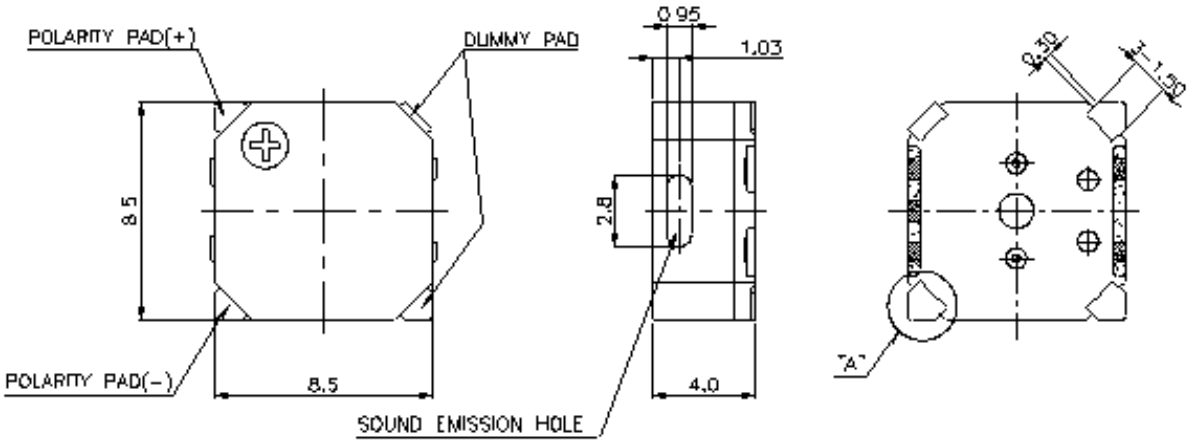


Reliability Testing

Type of Test	Test Specifications
High Temperature Test	96 hours at 85°C
Low Temperature Test	96 hours at -40°C
Humidity Test	12 hours at 60°C with relative humidity at 95%
Temperature Cycle Testing	Run the test for 5 cycles, with each cycle consisting of: 
Vibration Test	 Make this test for the directions of X, Y and Z. for 2 hours each (total 6 hours).
Drop Test	Fix transducer on PCB with polyester film(t=0.2mm, gross weight: 100g) and the height of 120cm on each of the six surfaces 3 times each.

After reliability test, let rest for 2 hours before testing.

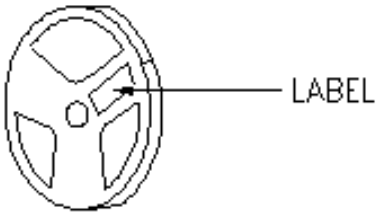
Dimensions



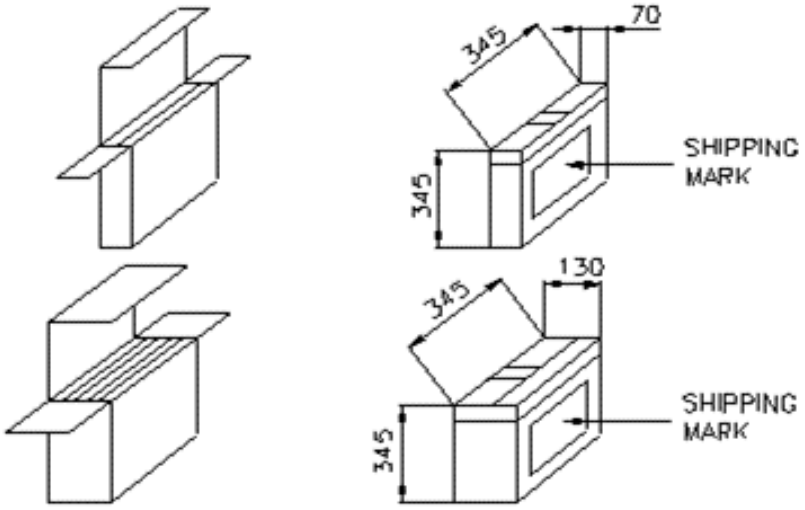
Tolerance: ±0.2mm

Packaging

1,000 PCS per 1roll by using the tapping M/C.



2rolls or 5rolls per 1 double(thick) carton box packed by polypropylene tape.



Specifications Revisions

Revision	Description	Date
A	Released from Engineering	7/25/2022
B	Updated Operating Temperature	4/18/2023

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.