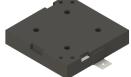
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SMT-1341-T-HT-2

#### Data Sheet

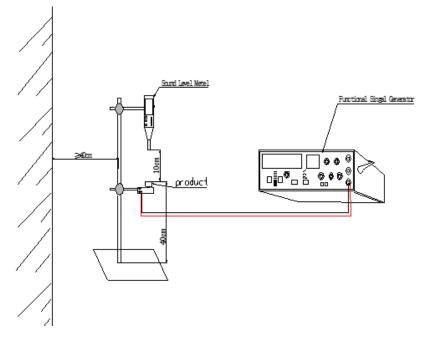
#### Features:

- 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

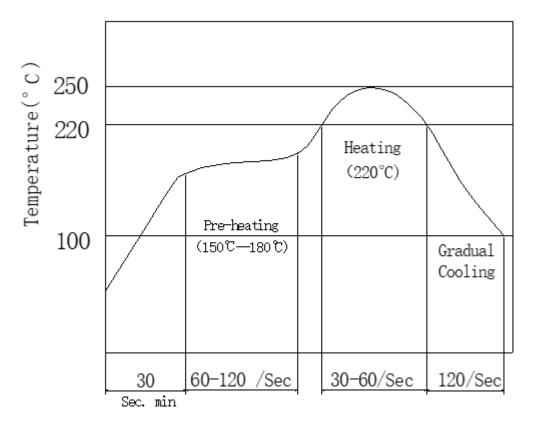
#### **Specifications**

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	$-40 \sim 105$	°C	
Operating Temperature	$-40 \sim 105$	°C	

## Measurement Method (3V, 4kHz)



## **Recommended Soldering Procedure**

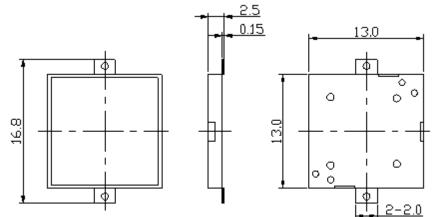


## **Reliability Testing**

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%			
	Run for 5 cycles with each cycle consisting of:			
	+85°C			
Temperature Cycle Testing	-40°C +20°C +20°C 30min 15min 30min 15min			
Vibration Test	Run in the X, Y, and Z directions for 2 hours each at: 9. 3g 0. 3g 10 55 Hz			
	Free drop a unit from the height 70cm to the surface of			
Drop Test	10mm thick board, three directions(X,Y,Z).			

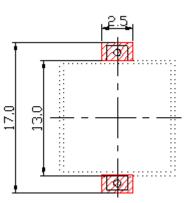
After each test, let rest for 2 hours and then the change in SPL shall be within ±5dB

### Dimensions



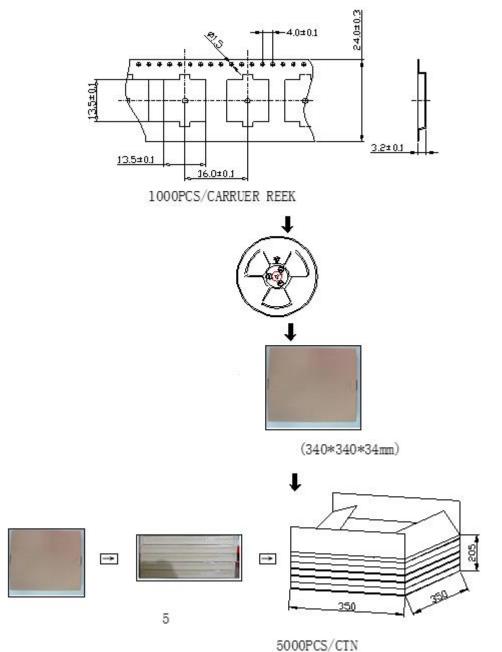
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## Suggested Land Pattern\*



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# Packaging



#### **Specifications Revisions**

Revision	Description	Date	Approved
А	Released from Engineering	11/30/2023	
В	Revised SPL, Operating Temperature, and Storage Temperature	1/26/2024	JD

Note:

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