

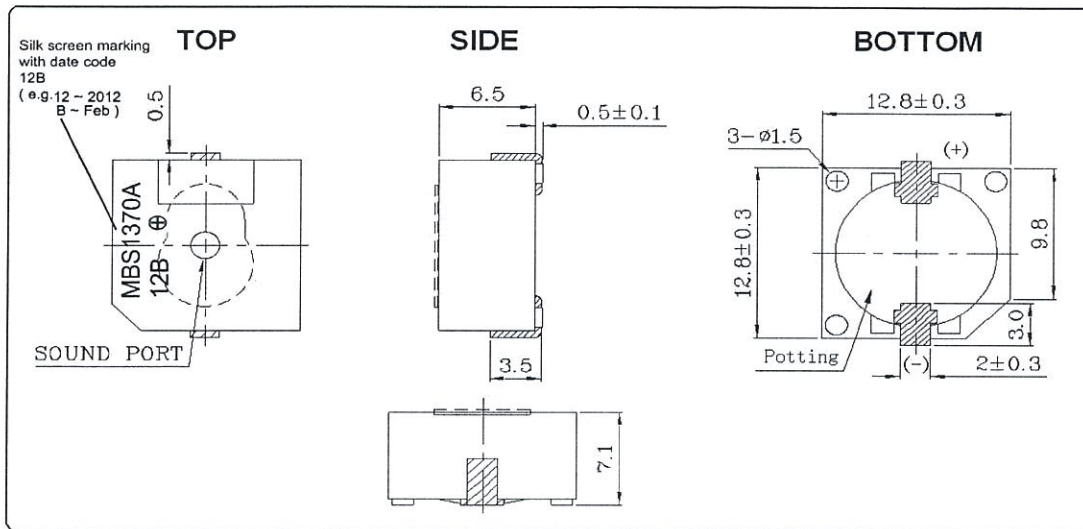
This specification applies to part number **TRSIE-1112**

1. SPECIFICATIONS

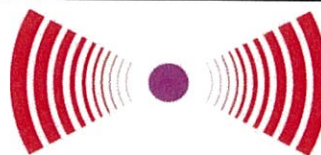
PARAMETERS	VALUES	UNITS
*MIN SOUND PRESSURE LEVEL AT 10 CM	85	dBA
RATED VOLTAGE	12	Vdc
OPERATING VOLTAGE	8 – 15	Vdc
RESONANCE FREQUENCY	2,400 ± 300	Hz
*MAX OPERATING CURRENT	30	mA
OPERATING TEMPERATURE	-20 to +70	°C
STORAGE TEMPERATURE	-30 to +80	°C
HOUSING	PPS	-
WEIGHT	2.5	g

*Value applying rated voltage

2. DIMENSIONS (unit in mm)



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Transducers USA
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Elk Grove, IL 60007
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www.tusainc.com info@tusainc.com

All dimensions are in MM unless otherwise specified

Drawing Number:
TRSIE-1112

SMT Magnetic Buzzer
1 of 3

Date:
2/28/2012

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3. RELIABILITY TEST

a) HIGH TEMPERATURE TEST

After exposure at $+80 \pm 2^\circ\text{C}$ for 96 hours and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

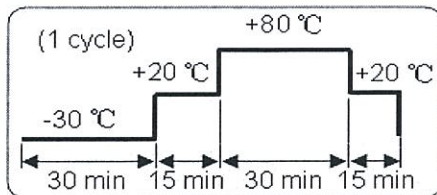
b) LOW TEMPERATURE TEST

After exposure at $-30 \pm 2^\circ\text{C}$ for 96 hours and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

c) HUMIDITY TEST

$25 \pm 2^\circ\text{C}$, 90-95%RH, 5hr=>up to $55 \pm 2^\circ\text{C}$, 90-95%RH, 0.5hr => $55 \pm 2^\circ\text{C}$, 90-95%RH, 5hr=>down to $25 \pm 2^\circ\text{C}$, 90-95%RH, 0.5hr, 10 cycles

d) THERMAL SHOCK TEST



After exposure to above temperature cycle for 5 times and room temperature for 2 hours, the value of frequency/current/SPL should meet specifications shown in page 2.

e) VIBRATION TEST

After vibrating the object with 1.5mm amplitude at 10 - 50 Hz in 3 perpendicular directions for 2 hours each, the value of frequency/current/SPL should meet specifications shown in page 2.

f) DROP TEST

After Dropping naturally from 700mm height onto the surface of 10mm wooden board with 3 directions, the value of frequency/current/SPL should meet specifications shown in page 2.

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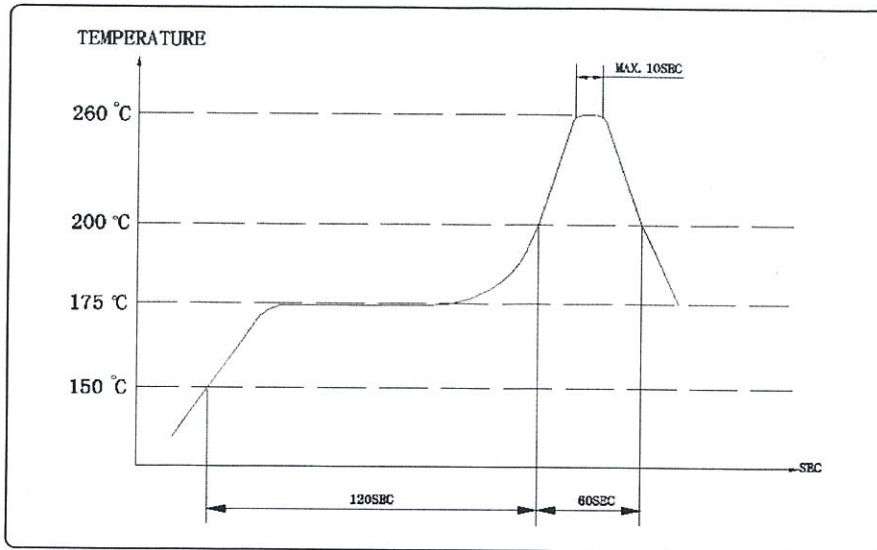
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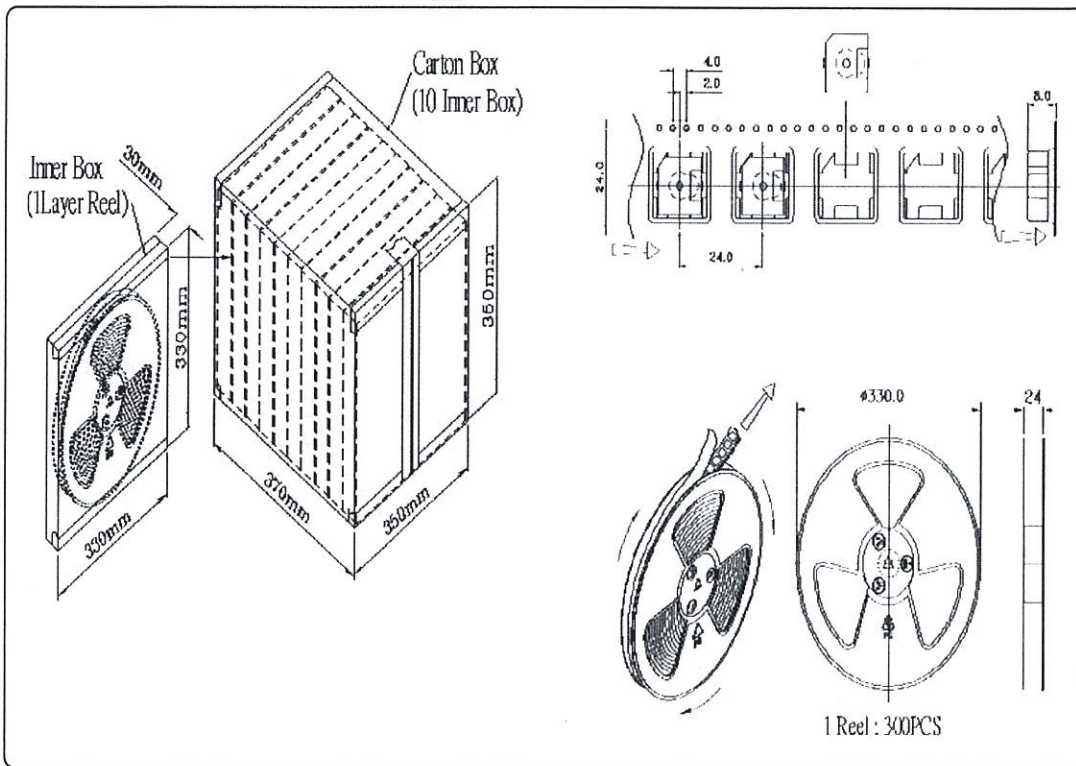
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4. RECOMMENDED REFLOWING PROFILE



5. PACKING INFORMATION



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