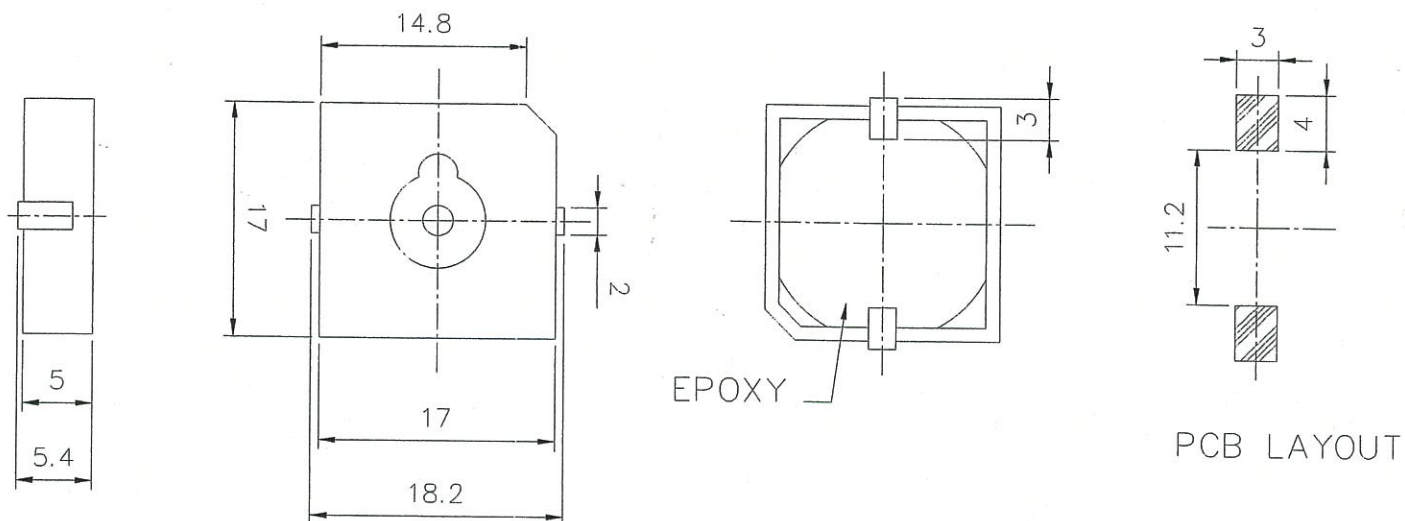


SCOPE: This specification applies SMT Piezo Buzzer **TRSTP-1705P-TR**

SPECIFICATIONS:

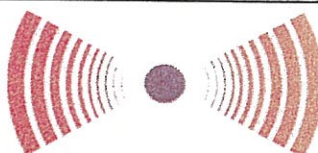
| No. | Item | Unit | Specification | Conditions |
|-----|-----------------------|------|---------------|-------------------------|
| 1 | Rated Voltage | Vp-p | 5 | (square wave) |
| 2 | Operating voltage | Vp-p | 1 ~ 25 | |
| 3 | Rated current | mA | Max 5 | |
| 4 | Sound Pressure level | dB | Min 80 | at 5Vp-p, 3.7KHZ / 10cm |
| 5 | Resonant frequency | Hz | 3700 +/- 500 | |
| 6 | Capacitance | pF | 15000 +/- 30% | at 120Hz |
| 7 | Operating Temperature | C | -20 ~ +70 | |
| 8 | Storage temperature | C | -30 ~ +80 | |
| 9 | Weight | g | 0.5 | |

DIMENSIONS:



Reflow Solder and wash allowed

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www.tusainc.com info@tusainc.com

All dimensions are in MM unless otherwise specified

Drawing Number:
TRSTP-1705-TR

SMT Piezo Buzzer
1 of 4

Date:
04/23/2008

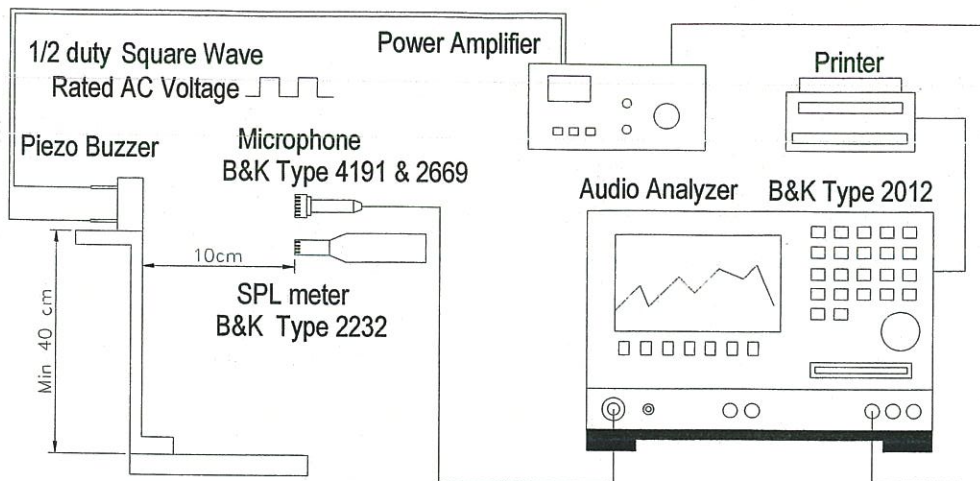
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MEASURING METHOD:

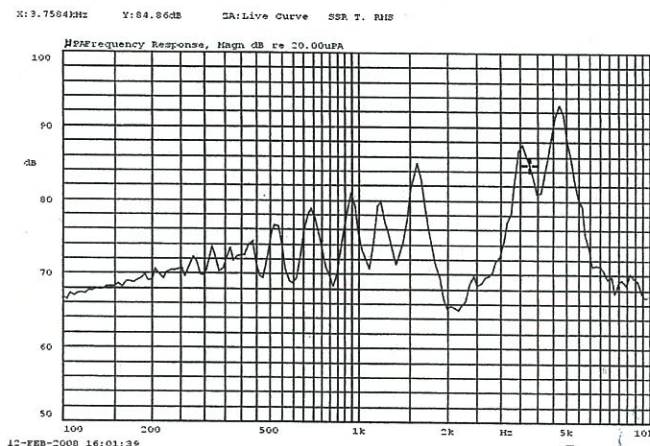
TEST CONDITION:

Standard Condition a) Temperature: +15 ~ +35 C b) Humidity 25-85% c) Pressure 860-1060 mbar
Judgement Condition a) Temperature: +20 +/- 3 C b) Humidity 60-70% c) Pressure 860-1060 mbar

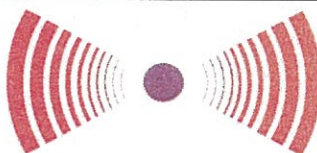
TEST FIXTURE:



FREQUENCY RESPONSE:



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Drawing Number:
TRSTP-1705-TR

SMT Piezo Buzzer
2 of 4

Date:
04/23/2008

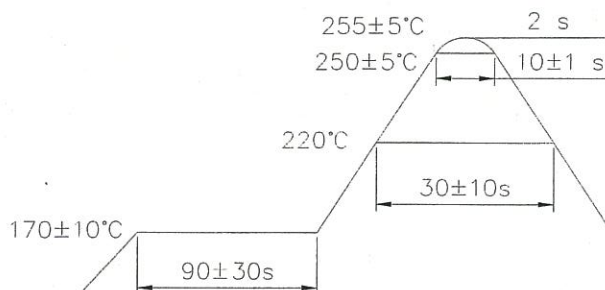
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RELIABILITY TEST:

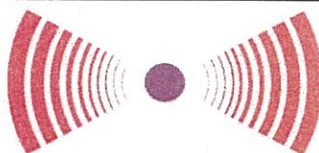
| No | Item | Test Condition | Evaluation Standard |
|----|------------------------|--|---|
| 1 | High Temp Storage Life | 85C +/- 2C, 240 hours | Part shall meet specifications without any degradation in appearance except SPL shall be 73dB or more |
| 2 | Low Temp Storage Life | 40C +/- 2C, 240 hours | |
| 3 | Temp / Humidity | Keep 240 hours at 90-95%, +40 +/-2.0C | |
| 4 | Temperature shock test | Low Temp: -40.0 +/- 2.0 C, 20C +/-2c (0.25Hr) High Temp: +85.0 +/- 2.0 C, 20C +/-2C (0.5Hr) Cycle: 5Cycles | |
| 5 | Vibration Test | 10-55 Hz / 2 Hrs, Amplitude 1.5mm, X,Y,Z, 3 Directions | |
| 6 | Mechanical Shock Test | +100G, Half Sine Wave, XYZ, 3 impacts per axis, 3 times | |
| 7 | Drop test | Drop a speaker contained in normal box on to a board 5.0mm thick 10 times from a height of .75mm and test | |
| 8 | Life Burning test | The part shall be subjected to 500 hours in room temp with rated voltage applied | |
| 9 | Lead Strength test | Pull lead with force of 10N, on the direction of the lead axis for 10 +/- 1 sec | |

SOLDERABILITY:

Temperature profile for reflowable Buzzer .



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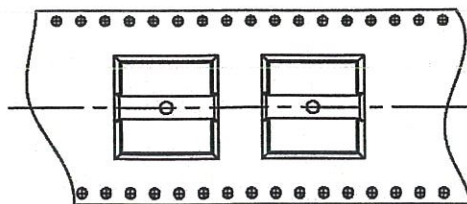
Drawing Number:
TRSTP-1705-TR

SMT Piezo Buzzer
3 of 4

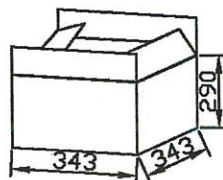
Date:
04/23/2008

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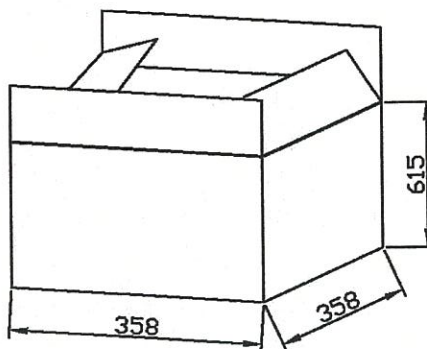
PACKING:



450PCS/SP00L 每卷放450只

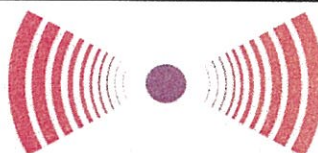


5SP00L/BOX 每小箱放5卷



2SMALL BOX/BIG BOX 每大箱放2小箱
(4500PCS/BIG BOX 每箱放4500只)

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Drawing Number:
TRSTP-1705-TR

SMT Piezo Buzzer
4 of 4

Date:
04/23/2008

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