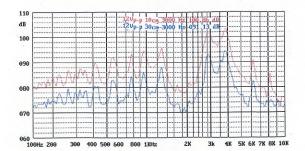
## SCOPE: This specification applies to Piezo buzzer TRTP-2335PCS

## Frequency Response Curve





## Specification

Rated Voltage Operating Voltage Operating Frequency **Typical Sound Output** 

Capacitance Operating Temp. Storage Temperature

**Construction Materials** 

Weight (Typical) Reliability

Warranty

**Rated Current** 

Description **Termination Strength** 

Case Diaphragm

\*Life Test

\*High Temperature \*Low Temperature

\*Thermal Shock \*Vibration

\*Shock \*Drop Test

\*Humidity

12 Vp-p square wave

1 ~ 30 Vp-p 3,000+/-500Hz

90dB min. (102dB typ.) at 12Vp-p 10cm 3.0KHz 25 °C

8mA at 12Vp-p 3.0KHz 25 °C 25.000+/-30% pF at 100Hz 1Vrms

-40 °C to +95 °C -40 °C to +105 °C

2 soldering pins, Sn plated Brass

Maximum of 9.8N (1kgs) for 10 seconds load pull test

Plastic, PPS A7-03 or equal Ni Alloy Disc N42 or equal

3.4 g

At 12 Vp-p in room temperature, continuously for 1000 hours

No function at +105+/-2 °C for 240 hours; Function at +95+/-2 °C for 240 hours No function at -40+/-2 °C for 240 hours; Function at -40+/-2 °C for 240 hours

+40+/-2 °C 95+/-5%RH 240 hours

-30+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr → +95+/-2 °C 0.5 hr → +25+/-2 °C 0.25 hr. Temperature Go

up or Drop time is 0.5 hr. 3 hrs per 1 cycle. Total is 5 cycles

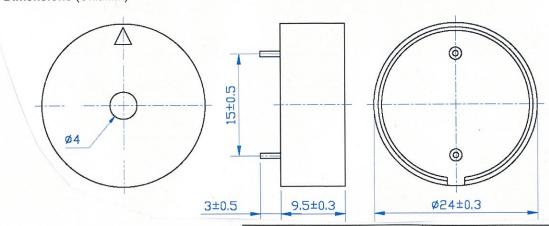
1.5mm with 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours 980m/s2 (=100g) shock for each mutually perpendicular directions, half sine wave, 3 times each Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions -

upper and side of the part are applied

\*Soldering Heat Resistance Samples put through reflowing soldering oven 1 times For a period of one (1) year from date of manufacture under normal operations

\* All specifications must be satisfied after the test (Recovery:2 to 4 hrs of recovery under the standard condition after the removal from test chamber).

## Dimensions (Unit:mm)



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All dimensions are in MM unless otherwise specified

Drawing Number: TRTP-2335PCS

External Piezo Buzzer

Date:

5/15/2017

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