SPECIFICATION

1. SCOPE

This specification shall cover the characteristics of the ceramic resonator with 1000 KHz Of P/N : ZTH1000Y

2. ELECTRICAL SPECIFICATION

3.1 Oscillation Frequency (Fosc) : 1000±3KHz

3.2 Resonant Impedance(Ro) : 50ohm max.

4.3 Capacitance (Co) : 75 PF±20%

4.4 Temperature Characteristics of Oscillation Frequency : ±0.3% max.(-20Cto +80C)

4.5 Rated Voltage : 50 V DC max.

4.6 Maximum Input Voltage : 15 Vp-p

4.7 Insulation Resistance : 1000 MΩ min.

5. ENVIRONMENTAL SPECIFICATION:

5.1 Lead Pull : 1KG load Terminal Direction Min.

5.2 Vibration : 600-3300rpm.1.5mm.x.y& z axes.1H Each Min.

5.3 Shock : Random Drop,30cm High Concrete Floor

5.4 Solderability : Dipping Terminals Into Molten Solder at 230±5C At 5±0.5 Sec.

5.5 Resistance to Soldering Heat : Dipping Lead Terminals No Close Than 2mm From the Sn 350 ±10C 3 Sec. After 1H to Test

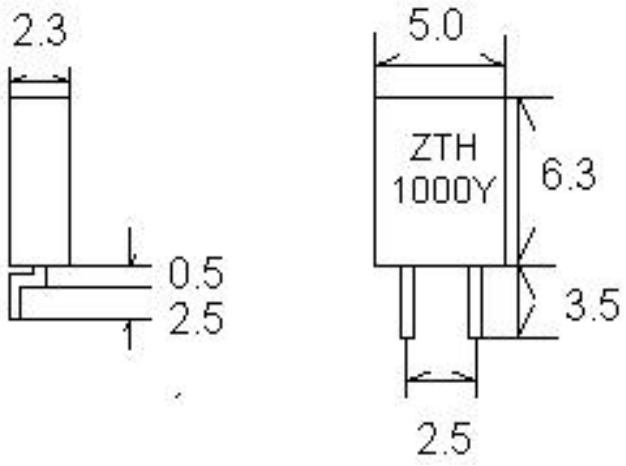
5.6 Heat Resistance : Keep In 40±2C Temp 90% Humidity For 100H After 1H To Test.

5.7 Operation Temperature : -20Cto +80C

5.8 Storage Temperature : -40Cto +85C

5.9 Aging Rate : Fosc ±0.5% max.

6. DIMENSION (mm)



7. TEST CIRCUIT