

SPECIFICATION OF CERAMIC RESONATOR

ZTB1.0M

1 . SCOPE

This specification shall cover the characteristics of the ceramic resonator with 1.0M KHz.

2 . SPECIFICATION No. : DL123

3 . PART No. : ZTB1.0M

4 . ELECTRICAL SPECIFICATION

4.1 Oscillation Frequency (Fosc) : $1.0M \pm 3KHz$

4.2 Resonant Impedance(Ro) : 50Ω max.

4.3 Capacitance (Co) : $75 PF \pm 20\%$

4.4 Temperature Characteristics

of Oscillation Frequency : $\pm 0.3\%$ max.(-20°C to +80°C)

4.5 Rated Voltage : 50 V DC max.

4.6 Maximum Input Voltage : 15 Vp-p

4.7 Insulation Resistance : 100 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 Wood Floor

5.4 Solderability : Dipping Terminals Into Molten Solder at $230 \pm 5^\circ C$ At 5 ± 0.5 Sec.

5.5 Resistance to

Soldering Heat : Dipping Lead Terminals No Close Than 2mm
From the Sn $350 \pm 10^\circ C$ 3 Sec.
After 1H to Test

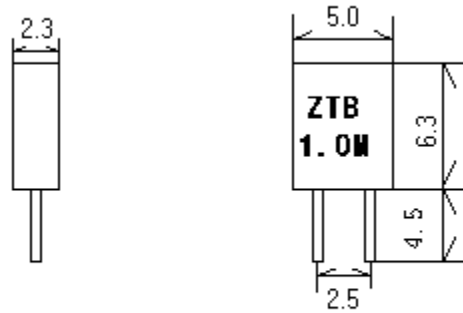
5.6 Heat Resistance : Keep In $40 \pm 2^\circ C$ Temp 90% Humidity For 100H
After 1H To Test.

5.7 Operation Temperature : $-20^\circ C$ to $+80^\circ C$

5.8 Storage Temperature : $-40^\circ C$ to $+85^\circ C$

5.9 Aging Rate : Fosc $\pm 0.5\%$ max.

6. Dimensions (mm)



7. Test circuit

