



## 1. SCOPE

This specification shall cover the characteristics of the ceramic resonator with  
720 KHz

2. SPECIFICATION NO. :

3. PART NO. : ZTB 720 J

## 4. ELECTRICAL SPECIFICATION

4.1 Oscillation Frequency (Fosc) : 720 KHz  $\pm 0.5\%$

4.2 Resonant Impedance(Ro) : 50 $\Omega$  max.

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

### 4.4 Temperature Characteristics

of Oscillation Frequency :  $\pm 0.3\%$  max. (-20 $^{\circ}$ C to +80 $^{\circ}$ C)

4.5 Rated Voltage : 50 VDC max.

4.6 Maximum Input Voltage : 15 Vp-p

4.7 Insulation Resistance : 1000M $\Omega$  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 $\pm 5^{\circ}$ C At 5 $\pm 0.5$  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.

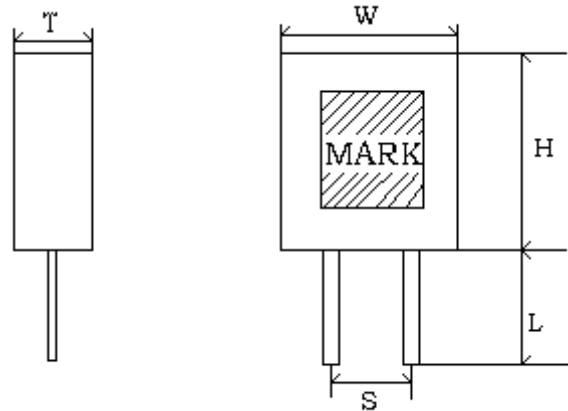
5.6 Heat Resistance : Keep In 40 $\pm 2^{\circ}$ C Temp 90% Humidity For 100H  
After 1H To Test.

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)



W=5.1mm    T=2.2mm    H=6.3mm    S=2.5mm    L=4.0mm

Mark: **ZTB720J**

### 7. Test circuit

