

1 . SCOPE

This specification shall cover the characteristics of the ceramic resonator with 455KHz.

2 . SPECIFICATION No. : QJ/A64•01•0403

3 . PART No. : **ZTH455Y**

4 . ELECTRICAL SPECIFICATION

4.1 Oscillation Frequency (Fosc) : $455 \pm 2\text{KHz}$

4.2 Resonant Impedance(Ro) : 15Ω max.

4.3 Capacitance (Co) : $280 \text{ PF} \pm 20\%$

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 : $1000 \text{ M} \Omega$ 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
 $260 \pm 10^\circ\text{C}$ At 5 ± 0.5 Sec.

5.5 Resistance to

Soldering Heat : Dipping Lead Terminals No Close Than 2mm
From the Sn $260 \pm 10^\circ\text{C}$ 3 Sec.
After 2H to Test

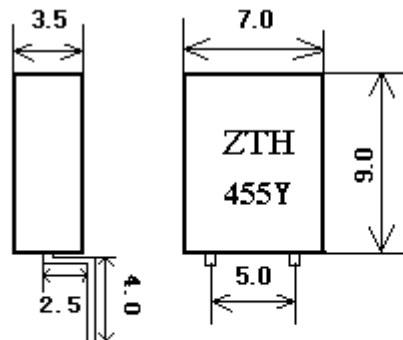
5.6 Heat Resistance : Keep In $80 \pm 2^\circ\text{C}$ Temp 90% Humidity For 100H
After 2H To Test.

5.7 Operation Temperature : -20°C to +80°C

5.8 Storage Temperature : $25 \pm 5^\circ\text{C}$

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

6.Dimensions:(mm)



7. Test circuit

