CRB455E

Ceramic Resonator

1. SCOPE

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

2. SPECIFICATION NO. : LG65●03●2007

3. PART NO. : CRB455E

4. ELECTRICAL SPECIFICATION

4.1 Oscillation Frequency (Fosc) : 455±2KHz

4.2 Resonant Impedance(Ro) : 30Ω max.

4.3 Capacitance (Co) : 285PF±20%

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

4.5 Rated Voltage : 50 VDC max.

4.6 Maximum Input Voltage : 15 Vp-p

4.7 Insulation Resistance : 1000MΩ 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±5℃ At 5±0.5 Sec.

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

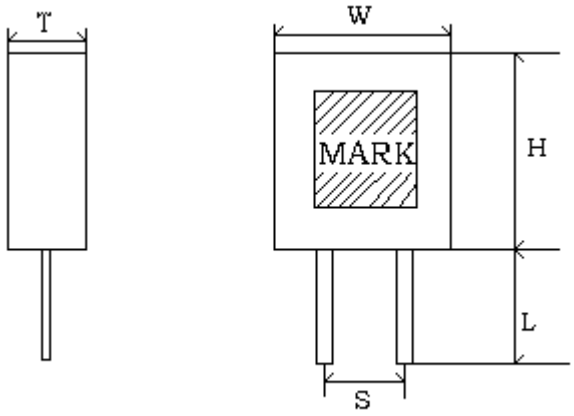
5.6 Heat Resistance : Keep In 40±2℃ Temp 90%Humidity For 100H After 1H To Test.

5.7 Operation Tempeature : -20℃to+80℃

5.8 Storage Temperature : -40℃to+85℃

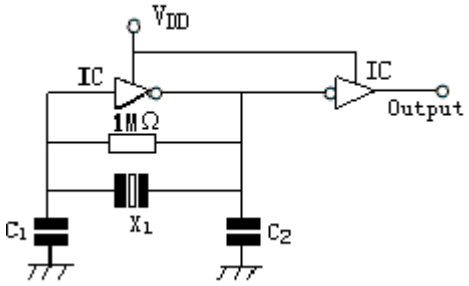
5.9 Aging Rate :Fosc ±0.5%max.

6. Dimensions (mm)



Mark: CRB455E
W=7.0mm T=3.0mm H=7.3mm S=5.0mm L=7.0mm

7. Test circuit



X1: CRB455E
VDD=5.0V
IC:1/6TC4069UBP×2
C1=C2=100PF