

SMD Ceramic Resonator

TGS Part Family No.: CRAC

Main Feature

- RoHS/RoHS Compliant
- SMD type
- Low cost and short lead time

Application

- Consumer Electronics
- Communications



7.4X3.4X2.0mm

Standard Specification

Frequency Range: 2.000~8.00MHz

Frequency Accuracy At 25°C : ±0.5%

Temp. Stability At -20°C ~80°C : ±0.3%

Load Capacitance C1, C2: 30pF

Operating Temp. Range: -20°C ~+80°C

Storage Temp. Range: -40°C ~+85°C

Equivalent Series Resistance (ESR): 100 ohm Max. 2.00 ~ 2.99MHz

50 ohm Max. 3.00 ~ 3.49MHz

30 ohm Max. 3.50 ~ 8.00MHz

Withstanding Voltage: 50V DC 1minute

Rating Voltage: D. C. Voltage: 6V. D. C., A. C. Voltage: 15Vpp

Insulation Resistance(Ω): 100M ohm Min. (at 10V DC)

Aging (Over 10 years): ±0.5%ppm

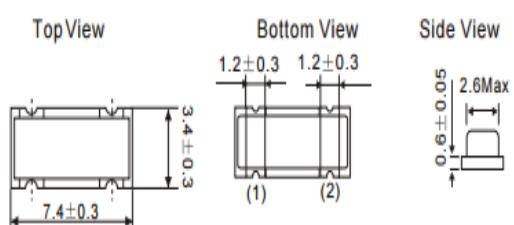
Supply Voltage VDD: +5.0V

Design Mode: Thickness Shear Mode

*Specifications Subject to Change Without Notice

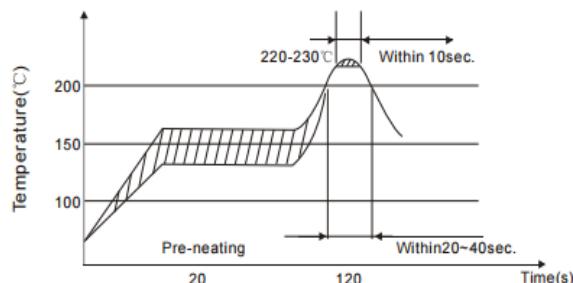
**Please specify frequency Range before order/Inquiry

Dimension (Unit: mm)

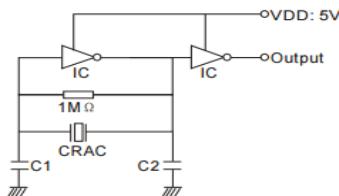


(1): INPUT (2): OUTPUT

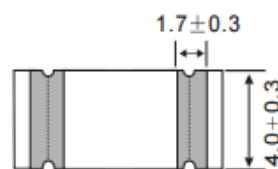
RECOMMENDED REFLOW SOLDERING STANDARD CONDITIONS



TEST CIRCUIT



RECOMMENDED LAND PATTERN (Unit: mm)



TGS part No. Guide

TGS	CR	A	C	4.0M	G	T
	1	2	3	4	5	6

1) CR: Ceramic Resonator

2) A: Without built-in Capacitance 3) C:Dimensions

4) 4.0M: Freq. Range

5) G: Design Mode

6) T: Tape/Reel (Package)