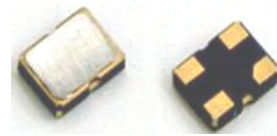


Main Feature

- RoHS compliant
- Cross Ref. No. ASEK and more
- Tri-state function
- Low Voltage/Current



3.2*2.5*1.2mm

Application

- Clock and Date recovery
- Computers and peripherals

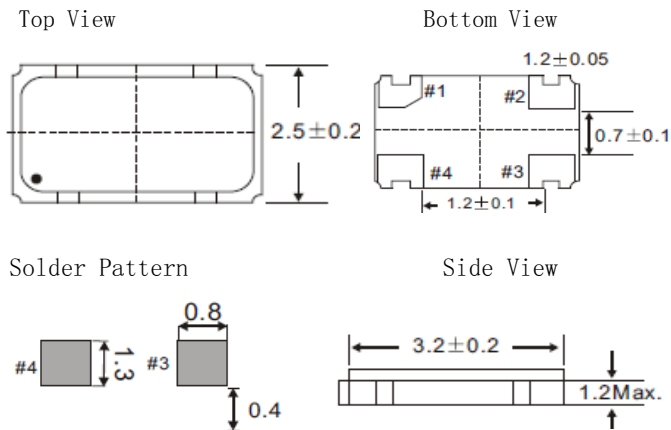
Standard Specification

Frequency Range: 32.768KHz
 Frequency Tolerance (at 25°C): ±15~ ±25ppm
 Supply Voltage: 3.3V (Typ.) or Specify 1.8V, 5.0V
 Frequency Stability: ±10 ~ ±100ppm
 Operating Temperature: -20°C~ +70°C OR -40°C~ +85°C
 Symmetry: 40/60 or 45/55
 Storage Temperature: -55 °C~ +125°C
 Aging (at 25°C): ±5ppm Max.
 Output Load: CMOS 15PF
 Start up Time: 1 s Max.
 Rise/Fall Time: 200 ns Max.
 Output Voltage: 10% Max. and 90% Min.
 Package: 3000pcs/Reel

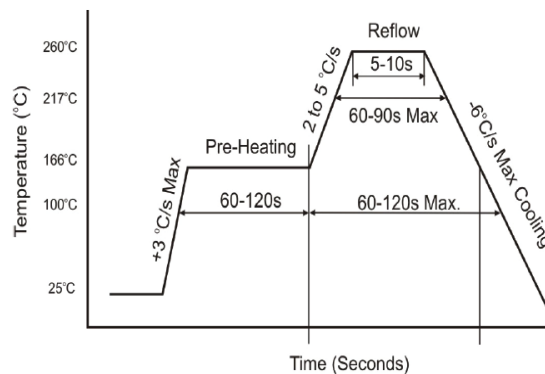
Supply Current

Supply voltage	Supply Current Max. (uA)
Vdd=+3.3V	1.5
Vdd=+5.0V	2.5
Vdd=+1.8V	1.5

Dimension (Unit: mm)



Reflow Profile Condition(260 ° C Max.)



Connection

#1: NC #2 Ground #3 Output #4 Vdd

TGS part No. Guide

TGS	COM32	5	0	C D H	01	T	LF	XX	-32K7680			
		1	2	3	4	5	6	7	8	9	10	11

- 1) COM32: TGS Part Family No.
- 2) Supply Voltage; 5-5.0V; 3-3.3V; 1- 1.8V
- 3) Tri-state: 1-Yes; 0-None
- 4) Frequency Stability: A: +/-15ppm; B: +/-10ppm; C: +/-25ppm
- 5) Operating Temp: D-0~70 C; E: -10 ~+60 C; F: -20 ~+70 C; G: -40 ~+85 C
- 6) Symmetry: H: 40/60; I: 45/55
- 7) Output Load: 01:CMOS 15pF
- 8) T: Tape/Reel 9) LF: RoHS compliant 10) XX: 2 letters as Internal Control Code
- 11) Frequency Range in KHz or specify