

Main Feature

- RoHS compliant
- Seam Sealed Ceramic SMD type
- Cross Ref. No. ASE/ASE2/ASE3 and more

Application

- Communication, Test equipment
- Computers, Modems, Microprocessors



3.2*2.5*1.2mm

Standard Specification

Frequency Range: 1.0000MHz ~ 150.000MHz

Supply Voltage: 3.3V (Typ.) or Specify 1.8V, 5.0V

Frequency Stability: ±25~ ±50ppm

Operating Temperature: -20°C~ +70°C OR -40°C~ +85°C

Storage Temperature: -40 °C~ +85°C

Aging (at 25°C): ±5ppm Max.

Output Load: 10 TTL OR HCMOS 15PF

Start up Time: 10 ms Max.

Rise/Fall Time: 10 ns Max.

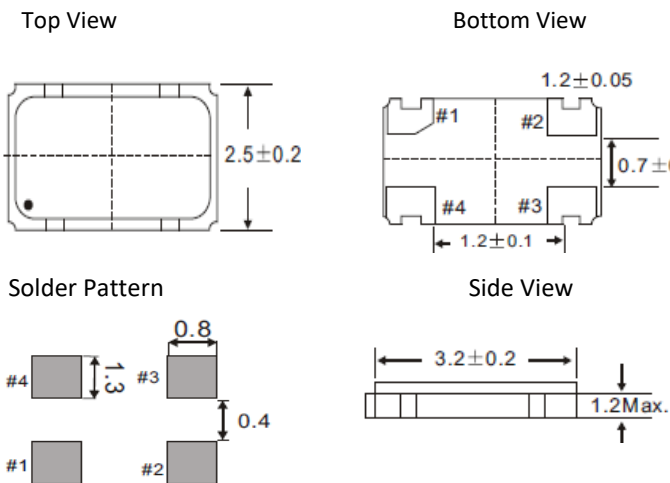
Output Voltage: 10% Max. and 90% Min.

Package: 3000pcs/Reel

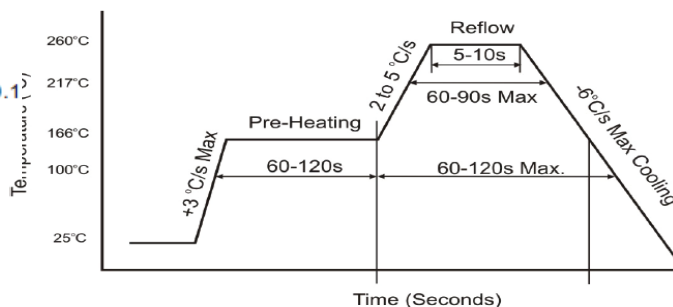
Supply Current

| Supply voltage | Frequency range | Supply Current Max. (mA) |
|-----------------------|---------------------|--------------------------|
| Vdd=+1.8V,+3.3V,+5.0V | 1MHz < F < 10 MHz | 10 |
| | 10 MHz < F < 40 MHz | 20 |
| Vdd=+1.8V,+3.3V | 40MHz < F < 60 MHz | 30 |
| Vdd=+5.0V | 40MHz < F < 60 MHz | 35 |
| Vdd=+1.8V,+3.3V | 60MHz < F < 100 MHz | 40 |
| Vdd=+5.0V | 60MHz < F < 100 MHz | 60 |
| Vdd=+1.8V,+3.3V | 100MHz < F | 60 |
| Vdd=+5.0V | 100MHz < F | 70 |

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 B H | 01 | T LF | XX | -27M0000 |
| | 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-+/-25ppm; B: +/-50ppm; C: +/-100ppm; J-+/-20ppm
- 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: 1-10TTL//15pF; 03:HCMOS 15pF; 04: HCMOS 30pF; 05: HCMOS 50pF
- 8) T: Tape/Reel 9) LF: RoHS compliant 10) XX: 2 letters as Internal Control Code
- 11) Frequency Range in MHz or specify