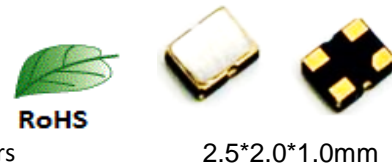


**Main Feature**

- RoHS compliant
- Low current consumption
- Cross Ref. No. ASD/ASD1/ASD2 and more
- Low height 1.0mm max



**Application**

- Communication, Test equipment
- Computers, Modems, Microprocessors

2.5\*2.0\*1.0mm

**Standard Specification**

Frequency Range: 1.0000MHz ~ 60.000MHz

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.

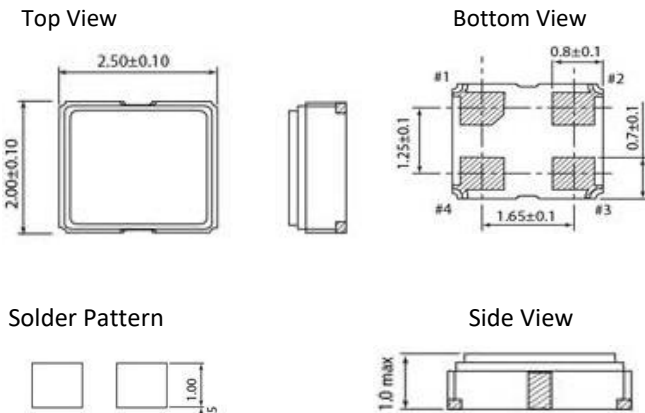
Output Voltage: 10% Max. and 90% Min.

Package: 3000pcs/Reel

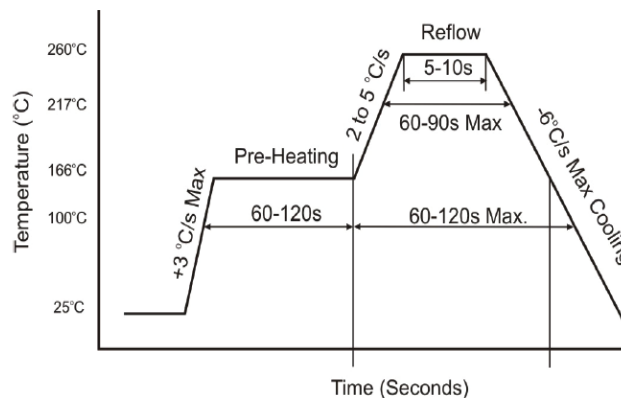
**Supply Current**

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

**Dimension ( Unit: mm)**



**Reflow Profile Condition(260 °C Max.)**



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

**TGS part No. Guide**

TGS	COM25	5 0	C B H	01	T LF	XX	-27M0000
	1	2 3	4 5 6	7	8 9	10	11

- 1) COM25: 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