

Main Feature

- RoHS compliant
- Cross Ref. No. ASA/ASA1/ASA2 and more
- Suitable for high density SMT
- Ultra miniature package



2.1*1.6*0.9mm

Application

- Computers and peripherals
- Mobile communication, PDA

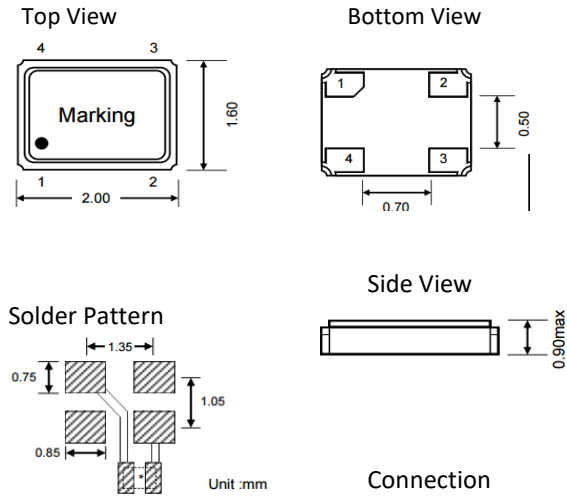
Standard Specification

Frequency Range: 1.0000MHz ~ 80.000MHz
 Supply Voltage: 3.3V (Typ.) or Specify 1.8V, 2.5V
 Frequency Stability: ±25~ ±50ppm
 Operating Temperature: -20°C~ +70°C OR -40°C~ +85°C
 Symmetry: 40/60 or 45/55
 Storage Temperature: -40 °C~ +85°C
 Aging (at 25°C): ±5ppm Max.
 Output Load: TTL OR CMOS 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=+3.3V	5	1MHz < F < 20 MHz
	10	20 MHz < F < 50 MHz
	15	50 MHz < F < 80 MHz
Vdd=+5.0V	5	1MHz < F < 20 MHz
	10	20 MHz < F < 50 MHz
	10	50 MHz < F < 80 MHz
Vdd=+1.8V	5	1MHz < F < 20 MHz
	5	20 MHz < F < 50 MHz
	10	50 MHz < F < 80 MHz

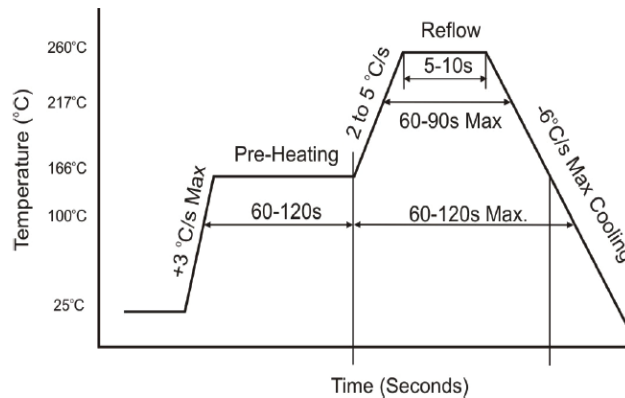
Dimension (Unit: mm)



Connection

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

Reflow Profile Condition(260 °C Max.)



TGS part No. Guide

TGS	COM21	5 0	C B H	01	T LF	XX	-27M0000
	1	2 3	4 5 6	7	8 9	10	11

- 1) COM21: 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