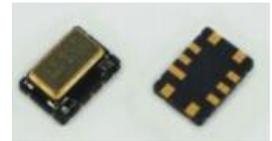


Main Feature

- High precision
- Typical ceramic package
- CMOS and Clipped Sine Wave

Application

- Mobile phone
- Femtocell, Base Stations



7.0*5.0*2.0mm

Standard Specification

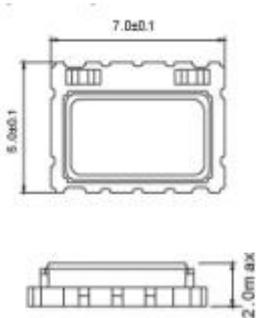
Frequency Range: 5.000MHz ~ 52.000MHz
 Supply Voltage: 5.0V, 3.3V
 Frequency Stability Vs Operating Temperature : $\pm 0.05\text{ppm} \sim \pm 0.5\text{ppm}$
 Operating Temperature: $-10 \sim +60\text{C}$; $-20 \sim +70\text{C}$; $-40 \sim +85\text{C}$
 Storage Temperature: $-40\text{C} \sim +85\text{C}$
 Aging (at 25°C): $\pm 1.0\text{ppm}$
 Output Wave form: HCMOS or Clipped Sine Wave
 Start up Time: 2 ms Max.
 Output load: 15PF (HCMOS); 10KΩ//10PF (Clipped Sine Wave)
 Frequency Vs Load: $\pm 0.2\text{ppm}$
 Frequency Vs Supply Voltage: $\pm 0.5\text{ppm}$
 Frequency Vs Tolerance (at 25°C): $\pm 2.0\text{ppm}$
 Pulling range: $\pm 12.0\text{ppm Max.}$
 Phase noise: $-120\text{dB/HC Max. @100Hz offset}$; $-140\text{dB/HC Max. @1kHz offset}$; $-148\text{dB/HC Max. @10kHz offset}$
 Package: 1000pcs/Reel

Supply Current

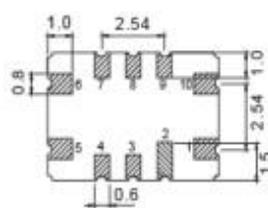
Output wave	Current Max. (mA)
CMOS	6mA Max
Clipped Sine Wave	3.5mA Max.

Dimension (Unit: mm)

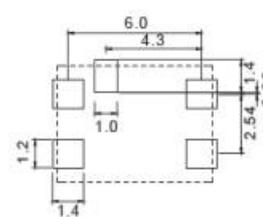
Top View



Bottom View



Solder Pattern



Pin	Function
1	VCON/VC.TCXO NC.TCXO
2	NC
3	NC
4	NC
5	GND
6	CMOS/ Clipped Sinewave Output
7	NC
8	NC
9	Tri-State Control
10	VDD

TGS part No. Guide

TGS	VTCM75	3 0	BD	T	LF	XX	-27M0000
	1	2	3 4	5	6	7	8

- 1) VTCM75: TGS Part Family No.
- 2) Supply Voltage; 50-5.0V; 30-3.3V
- 3) Frequency Stability: A: $\pm 0.05\text{ppm}$; B: $\pm 0.1\text{ppm}$; C: $\pm 0.2\text{ppm}$; D: $\pm 0.3\text{ppm}$; E: $\pm 0.4\text{ppm}$; J: $\pm 0.5\text{ppm}$
- 4) Operating Temp: D- $0 \sim 70\text{C}$; E: $-10 \sim +60\text{C}$; F: $-20 \sim +70\text{C}$; G: $-40 \sim +85\text{C}$
- 5) T: Tape/Reel 6) LF: RoHS compliant 7) XX: 2 letters as Internal Control Code
- 8) Frequency Range in MHz or specify