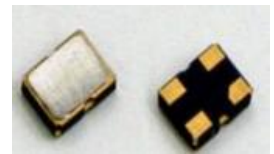


Main Feature

- Low phase noise
- Suitable for RoHS reflow profile
- Cross Ref. No. ASVTX-12
- Low current consumption



2.5*2.0*1.0mm

Application

- Cellular and cordless phones
- Portable radio equipment

Standard Specification

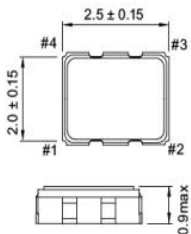
Frequency Range: 10.00MHz ~ 52.0MHz
 Supply Voltage: 3.3V, 2.8V, 1.8V
 Frequency Stability Vs Operating Temperature : ±0.5ppm ~ ±2.5ppm
 Control Voltage: 0.4-2.4V
 Operating Temperature: -10~+60C; -20 ~+70 C; -40 ~+85 C
 Storage Temperature: -40 °C ~ +85°C
 Aging (at 25°C): ±1.0ppm
 Load: 10KΩ//10pF
 Start up Time: 3.0 ms Max.
 Output Wave form: Clipped Sine Wave
 Control Voltage: 0.4-2.4V
 Frequency Vs Load: +/-0.2ppm
 Frequency Vs Supply Voltage: +/-0.2ppm
 Frequency Vs Tolerance (at 25°C): +/-2.0ppm
 Harmonics: -5.0dBc
 Phase noise: 100Hz: -100dB/HC Max.
 1kHz: -125dB/HC Max.
 10kHz: -140dB/HC Max.
 Package: 1000pcs/Reel

Input Current

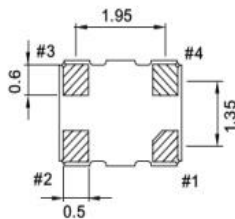
Frequency Range in MHz	Current Max. (mA)
13.000~25.999	2.0mA Max
26.000~52.000	2.5mA Max

Dimension (Unit: mm)

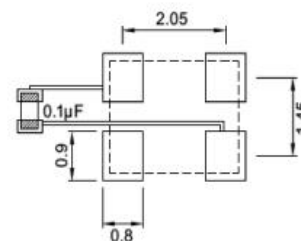
Top View



Bottom View



Solder Pattern



PIN	FUNCTION
1	Vcon
2	GND
3	Output
4	Vcc

TGS part No. Guide

TGS	VTCM25	30	BD	T	LF	XX	-27M0000
	1	2	3 4	5	6	7	8

- 1) VTCM25: TGS Part Family No.
- 2) Supply Voltage: 20-2.8V; 30-3.3V; 10-1.8V
- 3) Frequency Stability: A: +/-0.5ppm; B: +/-1.0ppm; C: +/-1.5ppm; D: +/-2.0ppm; J: +/-2.5ppm
- 4) Operating Temp: D-0~70 C; E: -10 ~+60 C; F: -20 ~+70 C; G: -40 ~+85 C
- 5) T: Tape/Reel 6) LF: RoHS compliant 7) XX: 2 letters as Internal Control Code
- 8) Frequency Range in MHz or specify