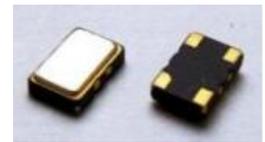


Main Feature

- Compact and low in height
- Low current consumption
- Cross Ref. No. ASTX-H09

Application

- Cellular and cordless phones
- Portable radio equipment



5.0*3.2*1.2mm

Standard Specification

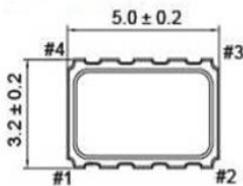
Frequency Range: 5.00MHz ~ 52.0MHz
 Supply Voltage: 3.3V, 3.0V, 5.0V
 Frequency Stability Vs Operating Temperature : $\pm 2.5\text{ppm} \sim \pm 5.0\text{ppm}$
 Symmetry: 40/60 % @ 50% Vdd
 Operating Temperature: $-10 \sim +60\text{C}$; $-20 \sim +70 \text{C}$; $-40 \sim +85 \text{C}$
 Storage Temperature: $-40 \text{C} \sim +85\text{C}$
 Aging (at 25°C): $\pm 2.0\text{ppm}$
 Output Load: 15pF
 Start up Time: 10 ms Max.
 Output Wave form: HCMOS
 Frequency Vs Load: $\pm 0.2\text{ppm}$
 Frequency Vs Supply Voltage: $\pm 0.5\text{ppm}$
 Frequency Vs Tolerance (at 25°C): $\pm 3.0\text{ppm}$
 Rise and Fall Time: 6nS
 Phase noise: $-125\text{dB/HC Max. @1kHz offset}$; $-140\text{dB/HC Max. @100kHz offset}$
 Package: 1000pcs/Reel

Input Current

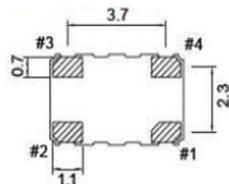
Frequency Range in MHz	Current Max. (mA)
5.000~52.000	15mA Max

Dimension (Unit: mm)

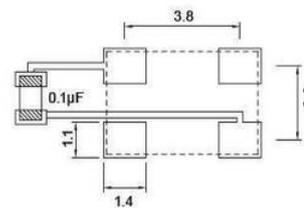
Top View



Bottom View



Solder Pattern



PIN	FUNCTION
1	Vcon
2	GND
3	Output
4	Vcc

TGS part No. Guide

TGS	VTCM53	30	BD	T	LF	XX	-27M0000
		1	2	3 4	5	6 7	8

- 1) VTCM53: TGS Part Family No.
- 2) Supply Voltage; 3.3V; 3.0V; 5.0V
- 3) Frequency Stability: A: $\pm 2.5\text{ppm}$; B: $\pm 3.0\text{ppm}$; C: $\pm 3.5\text{ppm}$; D: $\pm 4.0\text{ppm}$; E: $\pm 4.5\text{ppm}$; J: $\pm 5.0\text{ppm}$
- 4) Operating Temp: D: -70C ; 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