SMD TCXO

TGS Part Family No.: VTM25

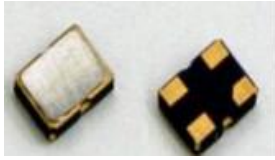
Main Feature

- Low height 1.0mm max
- Seam sealed package assures
- Cross Ref. No. ASD/ASD1/ASD2/ASD3
- Low current consumption

Application

- CCD clock for VTR Camera
- Thin equipment

RoHS



2.5*2.0*1.0mm

Standard Specification

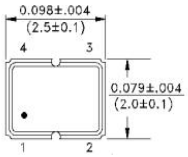
Frequency Range: 1.00MHz ~ 60.0MHz
Supply Voltage: 3.3V, 2.5V,1.8V
Overall Frequency Stability: ±20ppm~ ±100ppm
Symmetry: 40/60 or 45/55
Operating Temperature: -20 ~+70 C;-40 ~+85 C
Storage Temperature: -55 ℃~ +100℃
Aging (at 25℃): ±5ppm Max.
Output Load: CMOS 15pF
Start up Time: 10 ms Max.
Rise/Fall Time: 10 ns Max.
Output Voltage (VOH): 0.9Vdd V
Output Voltage (VOL): 0.10Vdd V
Phase Jitter: 1.0ps Max.
Period Jitter RMS: 5.0ps Max.
Disable Current: 20uA
Package: 3000pcs/Reel

Input Current

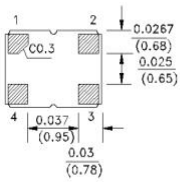
Frequency Range in MHz	Current Max. (mA)
1.000~15.999 (3.3V)	5.0mA Max
16.000~39.999 (3.3V)	7.0mA Max
40.000~60.000 (3.3V)	13.0mA Max
1.000~15.999 (2.5V)	3.5mA Max
16.000~39.999 (2.5V)	5.0mA Max
40.000~60.000 (2.5V)	10.0mA Max
1.000~15.999 (1.8V)	2.5mA Max
16.000~39.999 (1.8V)	4.0mA Max
40.000~60.000 (1.8V)	7.0mA Max

Dimension (Unit: mm)

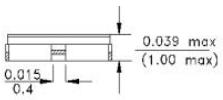
Top View



Bottom View

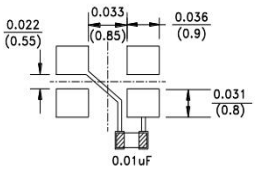


Side View



Pin	Function
1	Tri-State
2	GND/Case
3	Output
4	Vdd

Solder Pattern



TGS part No. Guide

TGS	VTM25	3 1	B D H	01	T LF	XX	-27M0000
	1	2 3	4 5 6	7	8 9	10	11

1) VTM25: TGS Part Family No. 2)Supply Voltage; 5-2.5V; 3-3.3V; 1-1.8V 3) Tri-state: 1-Yes; 0-None
4) Frequency Stability: A:+/-25pm; B: +/-50ppm;C: +/-100ppm;D:+/-30ppm 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: CMOS 15pF;
8) T: Tube 9) LF: RoHS compliant 10) XX: 2 letters as Internal Control Code
11) Frequency Range in MHz or specify