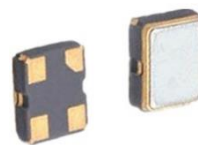


MAIN FEATURE

- Low Power Consumption • 1.8V, 2.5V and 3.3V option
- Industry standard option

APPLICATION

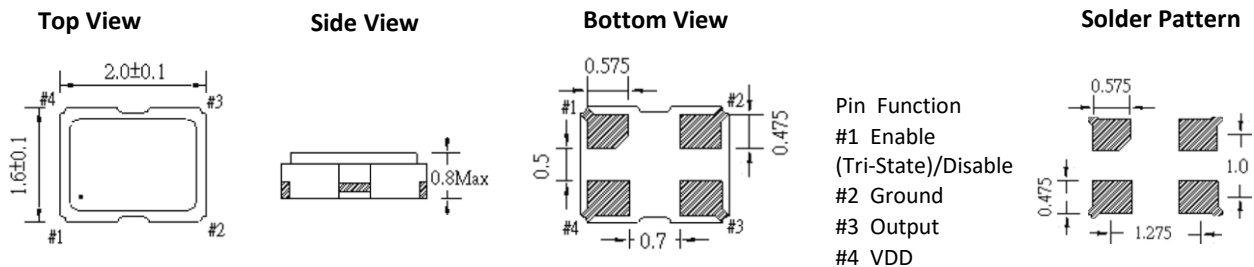
- Mobile, GPS and more



L2.0*W1.6*H0.80mm

STANDARD SPECIFICATION – CMOS Output

Parameter	Value			Unit	Condition
	Min.	Type	Max.		
Supply Voltage	-	3.3	-	V	+/-0.5% or Specify 1.8V/2.5V
Frequency Range	9.50		60.00	MHz	
Frequency Tolerance @25°C			±2.0	ppm	see p/n guide or Specify
Freq. Stability @Temp. Range	-	-	±2.5	ppm	see p/n guide or Specify
Operating Temp. Range	-40	-	85	°C	see p/n guide or Specify
Load	-	15	-	pF	@ CMOS output or Specify
Enable/Disable Function	-	Tri-State	-		@ Control via pin 1 or see p/n guide
Symmetry	45	-	55		see p/n guide or Specify
Startup Time	-	-	10	ms	
Rise/Fall Time	-	-	5	ns	
Supply Current	-	-	10	mA	
Phase Noise	-	-145		dBC/Hz	@10KHz offset
Storage Temperature Range	-55	-	+125	°C	
Aging per year	-	±2		ppm	

DIMENSION (mm)

PART NUMBER GUIDE

Example: TGS TM21T31A25GH03 TLF-26M000

[Part Number and Part Code Structure](#)

TGS	TM21T	3 1	A 25	G H 03	T	LF XX	-26M000
1	2	3 4	5 6	7 8 9	10	11 12	13

- 1) TGS: Company Code
- 2) TM21T: MHz SMD TCXO, CMOS Output, 4 pads, L2.0*W1.6*H0.80mm
- 3) 3: Supply Voltage, 3: 3.3V; 2: 2.5V; 1: 1.8V
- 4) 1: Enable/Disable Function, 1: Tri-state Via Pin 1; 0: N/A
- 5) A: Frequency tolerance, A+/-2.0ppm or Specify
- 6) 25: Frequency Stability vs Temp. range. 25: 2.5ppm or specify
- 7) G: Operating Temp. Range, D-0~70 °C; E: -10 ~+60°C; F: -20 ~+70 °C; G: -40 ~+85 °C or Specify
- 8) H: Symmetry H: 40/60; I: 45/55
- 9) 03: Output Load: 03: CMOS//15pF or specify
- 10) T: Packed in Tape/Reel, 3000pcs/Reel
- 11) LF: RoHS Compliant
- 12) XX: Internal Control Code- 2 letter or digits ; Blank: N/A
- 13) 26M000: Frequency Range 26.000MHz or specify

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