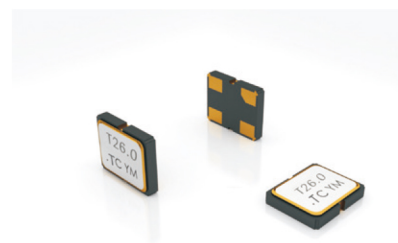


5.1 TC1612

1.6x1.2mm
Temperature Compensated
Crystal Oscillator

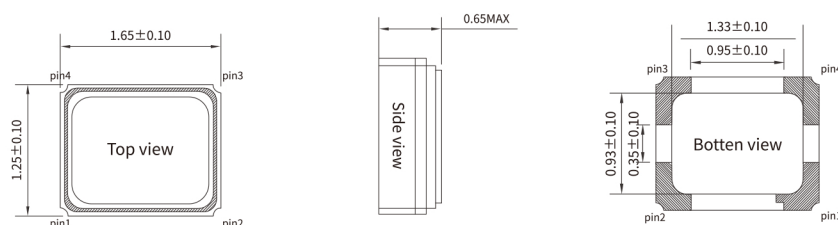


FEATURES AND APPLICATIONS

- External Dimensions:1.6×1.2×0.65mm
- Small size, light weightness,low power consumption
- Widely applied in consumer electronics

- H-structure
- Output Frequency Range:26MHz to 52MHz

DIMENSIONS



ELECTRICAL SPECIFICATION

Specifications		3.3/3.0/2.8V		2.5V		1.8V		Unit
		Min.	Max.	Min.	Max.	Min.	Max.	
Operating Voltage(VDD)		2.66	3.465	2.375	2.625	1.71	1.89	V
Output Frequency		26	52	26	52	26	52	MHz
Nominal Frequency		26.0, 38.4, 52						
Frequency Accuracy (25°C)		—	±1.5	—	±1.5	—	±1.5	ppm
Frequency Stability	Vs Supply Voltage(±5%)	±0.1	±0.2	±0.1	±0.2	±0.1	±0.2	ppm
	Vs Load(±10%)	±0.1	±0.2	±0.1	±0.2	±0.1	±0.2	
	Vs Aging(@the first year)	—	±1.0	—	±1.0	—	±1.0	
Operating Current	26 MHz < F _o ≤ 52 MHz	—	2.0	—	2.0	—	2.0	
Output Level (Clipped sine wave)		0.8	—	0.8	—	0.8	—	Vp-p
Load		10KΩ // 10pF		10KΩ // 10pF		10KΩ // 10pF		
Voltage Control Range(VCTCXO)		0.5	2.5	0.4	2.4	0.3	1.5	V
Pull Range(VCTCXO)		±5.0	±15.0	±5.0	±15.0	±5.0	±15.0	ppm
Voltage Control Input Resistance(VCTCXO)		500	—	500	—	500	—	KΩ
Phase Noise @ 26 MHz	100 Hz	-110		-110		-110		dBc/Hz
	1 KHz	-130		-130		-130		
	10 KHz	-145		-145		-145		
Start-up time		—	2	—	2	—	2	mSec
Storage temperature range		-55	125	-55	125	-55	125	°C

FREQ. STABILITY vs. TEMP. RANGE

Temp.(°C) \ ppm	±0.5	±1.0	±1.5	±2.0	±2.5
-20 ~ +70	○	○	○	○	○
-30 ~ +85	○	○	○	○	○
-40 ~ +85	○	○	○	○	○

Standard frequencies are frequencies which the crystal has been designed and does not imply a stock position.
*Frequency at 25°C, 1 hour after reflow.

*o: Available Δ: Condition X: Not available

Note: not all combination of options are available.
Other specifications may be available upon request.
Specifications subject to change without notice.