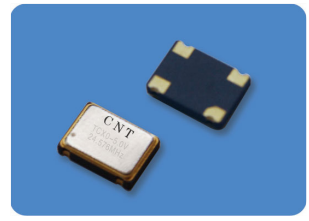
TEMPERATURE COMPENSATED SMD CRYSTAL OSCILLATOR 5.0×3.2

FEATURES

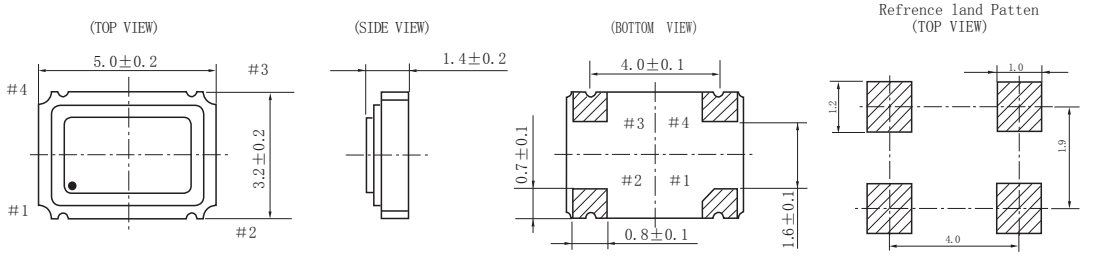


- Stability up to ±0.5ppm
- Control voltage range ±10ppm Max
- Clipped sine wave output
- Ultra-miniature package

SPECIFICATIONS

ITEM			DESCRIPTION	
Frequency range			10.000MHz~40.000MHz	
Supply Voltage(VDD)			5.0V DC±10%	3.3V DC±10%
Supply Current		10.000MHz~14.999MHz	1.5mA Max	
		15.000MHz~30.000MHz		2.0mA Max
Operating Temperation Range			-10℃~+60℃、0℃~+70℃、-20℃~+70℃、-40℃~+85℃or specify	
Frequency Stability Over Operating Temp Characterics			±0.5ppm ~ ±5ppm or specify	
Storage Temperature Range			-55℃ ~ +125℃	
Output Wave			Clipped Sine Wave	
Output Level			0.8V (pead to peak Min)	
Load			10KΩ//10pf±10%	
Frequency Stability	Supply Voltage Change	±5%	±0.2ppm	
	Load Change	±10%	±0.2ppm	
Frequency Control	Range		±5ppm 、±10ppm or specify	
	Center Control Voltage		Vc=2.5V DC	Vc=1.65V DC
	Control Voltage		0.5V DC to 4.5V DC	0.3V DC to 3.0V DC
Aging (25℃±3℃)			±1ppm/year	
Start Up Time			2ms Max	
Input Impedance			1MΩ	

OUTLINE DIMENSIONS (mm)



PAD NO.	CONNECTION
#1	VC/NC
#2	GND
#3	Output
#4	VDD

PART NUMBER

TIM– TCS5032 – H / 16.000000 / ±5 / ±1.5 / -20℃~+70℃ / 5.0

TCS5032	H	16.000000	±5	±1.5	-20℃~+70℃	5.0
Type	Molde Type	Frequency(MHz)	Control voltage range (ppm)	Frequency stability (ppm)	operating temperature range	Supply voltage(v)
TCS:TCXO SMD VTS:VC-TCXO SMD	H:Clipped sine wave	16.000000: 16.000000MHz	±5:±5ppm N:TCXO no voltage control function	±1.5:±1.5ppm		5.0:5.0V DC 3.3:3.3V DC