

Crystal Oscillator Series	Features ◆RoHS Compliant ◆VCTCXO or TCXO	
VCTCXO 5032B		

Electrical Specifications

Item		Specifications
Type		VCTCXO 5032B
Nominal Frequency Range		9.6MHz to 40.0MHz
Frequency Stability	Temperature	See Table 1
	Aging First Year	±1.0ppm
	Supply Voltage Change	±0.2ppm (V _{DC} ±5%)
Operating Temperature		See Table 1
Storage Temperature		-55℃ to +125℃
Supply Voltage		2.6V/2.8V/3.0V/3.3V
Supply Current Max.		2.5mA
Output	Level	0.8Vp-p Min.(Clipped sine wave)
	Load	10KΩ//10pF
External Tuning Range		±9ppm Min. (V _{control} :1.5V±1.0V)
Phase Noise		-115 dBc/Hz at 100Hz -135 dBc/Hz at 1KHz -148 dBc/Hz at 10KHz

Table 1:Frequency Stability vs. Temperature

◆ Standard ◇ Please specify		A	B	C	D	Remarks
		±0.5ppm	±1.0ppm	±1.5ppm	±2.0ppm	
A	0℃ to +55℃	◆	◆	◇	◇	
B	-10℃ to +60℃	◆	◆	◇	◇	
C	-10℃ to +70℃	◆	◆	◇	◇	
D	-20℃ to +70℃	◆	◆	◇	◇	
E	0℃ to +85℃	◆	◇			
F	-20℃ to +75℃	◆	◇	◇	◇	
G	-30℃ to +75℃	◆	◇	◇	◇	
H	-30℃ to +80℃	◇	◆	◇		
I	-40℃ to +80℃	◇	◆	◇	◇	

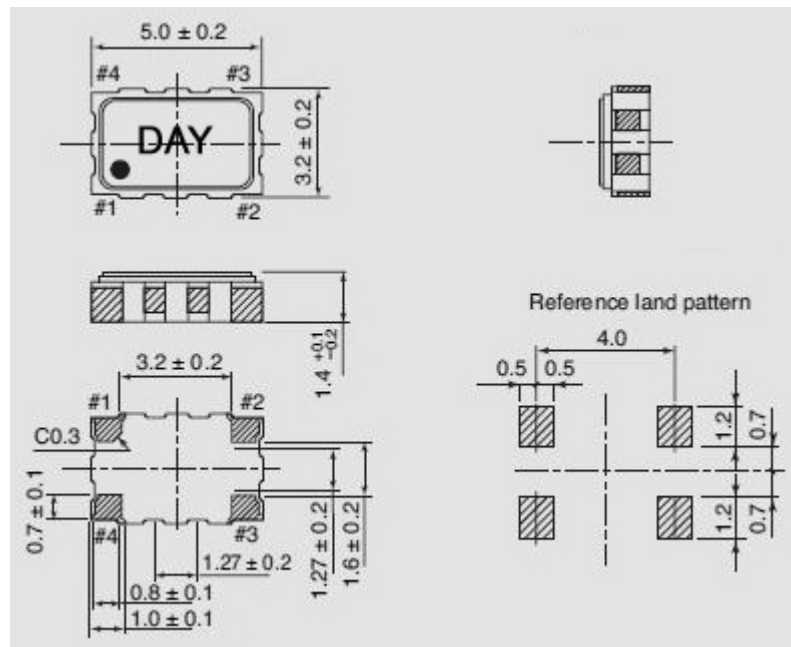
Ordering Information

V	T	Type	Pin	XX.XXXX	M	Supply Voltage	Stability Vs. Temp.	Operating Temp.	Option
VT:VCTCXO TC:TCXO V:Voltage 53: T:Temperature 5.0*3.2mm						A:3.3V B:2.6V C:3.0V D:2.8V	See Table 1	See Table 1	F:Lead Free T:T&R Blank:Bulk
B: Center frequency 9.6 to 40.0MHz M: MHz						Example:VT53B26.0000MAACF (VCTCXO,5.0*3.2mm, 4Pins ,26.0000MHz, 3.3V, +/-0.5ppm,-10 to +70deg.,T&R,Lead free)			

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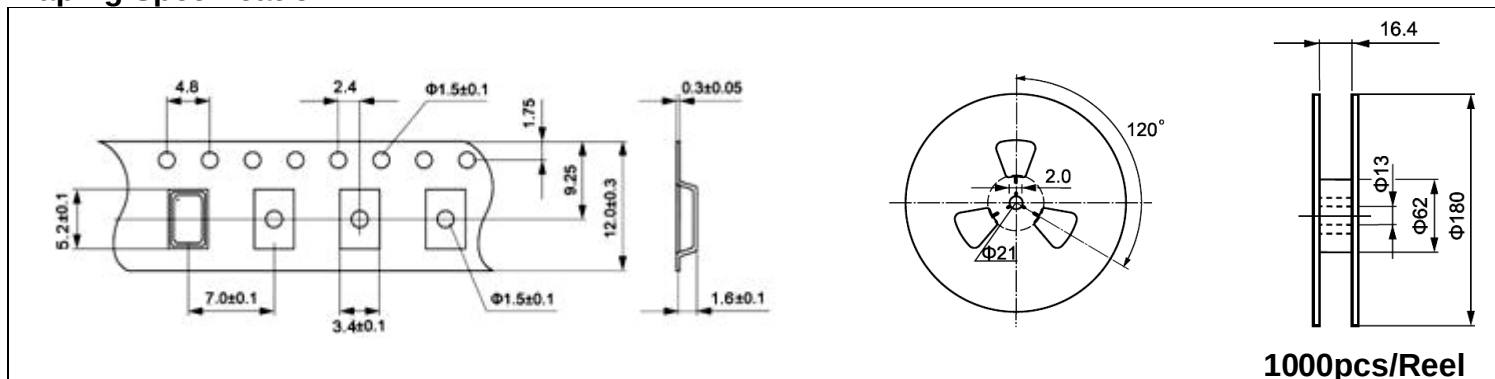
Dimensions



Pin	Connection	
	TCXO	VCTCXO
#1	GND	V.C.
#2	GND	GND
#3	OUT	OUT
#4	VDC	VDC

UNIT:mm

Taping Specification



1000pcs/Reel

Reflow Soldering Profile

