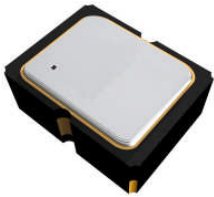


Crystal Oscillator Series	Features ◆RoHS Compliant ◆VCTCXO or TCXO	
VCTCXO 2520B		

Electrical Specifications

Item		Specifications
Type		VCTCXO 2520B
Nominal Frequency Range		9.6MHz to 52.0MHz
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		1.8V/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 -145 dBc/Hz at 10KHz

Table 1:Frequency Stability vs. Temperature

◆ Standard		A	B	C	D	Remarks
◇ Please specify		±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℃	◇	◆	◇	◇	

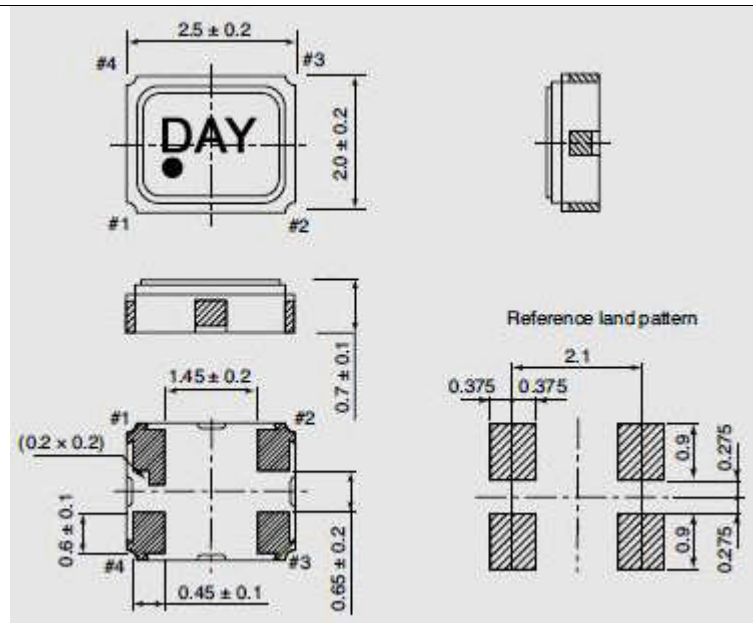
Ordering Information

V	T	Type	Pin	XX.XXXX	M	Supply Voltage	Stability Vs.Temp.	Operating Temp.	Option
VT:VCTCXO TC:TCXO						A:3.3V B:2.6V C:3.0V			F:Lead Free
V:Voltage T:Temperature	22: 2.5*2.0mm	B: 4Pins	Center frequency 9.6 to 52.0MHz	M: MHz	D:2.8V E:1.8V	See Table 1	See Table 1	T:T&R Blank:Bulk	
Example:VT22B26.0000MAACF (VCTCXO,2.5*2.0mm, 4Pins ,26.0000MHz, 3.3V, +/-0.5ppm,-10 to +70deg., T&R,Lead free)									

Crystal Oscillator Series

VCTCXO 2520B

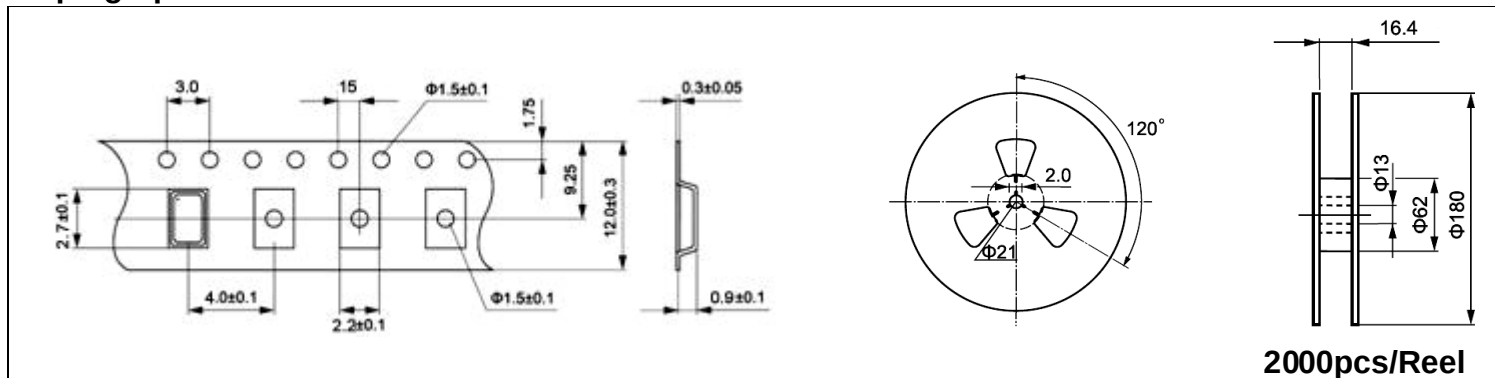
Dimensions



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

UNIT:mm

Taping Specification



2000pcs/Reel

Reflow Soldering Profile

