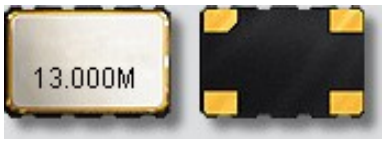
Voltage Controlled Temperature Compensated Crystal Oscillator

(VC) TCXO 5032 Series

Features

- Good frequency stability
- Low phase noise
- RoHS Compliant / Pb Free



Specifications

Holder Type	SMD 5.0X3.2
Frequency Range	12.000 Mhz to 40.000Mhz
Operating Temperature Range	0℃ to +50℃ ~ -40℃ to +85℃
Storage Temperature Range	- 40℃ to +85℃
Frequency Stability vs. Temperature Range	±0.5ppm (0℃ to +50℃) ±1.0ppm (-10℃ to +60℃) ±1.5ppm (-20℃ to +70℃) ±2.0ppm (-40℃ to +85℃)
Supply Voltage	5.0V or 3.3V ±10%
Current Consumption	2.0mA
Aging	±1.0ppm/ year Max.
vs Load Change of ± 10%	±0.2ppm Max.
vs Supply Voltage Change of ±5%	±0.2ppm Max.
Output Waveform	Clipped Sine
Output load	10KΩ/10pF
Output Level	>0.8Vpp
Vc Input Impedance	1.0MΩ
Start-Up Time	2.0mS
Phase Noise	at 100Hz, -115dBc/Hz at 1KHz, -135dBc/Hz at 10KHz, -148dBc/Hz

How to order

TCXO5032 **27.12M** **5** **C** **1**

Series	Frequency	Input Voltage	Output code	Frequency Stability VS. Temperature Range
TCXO3225	20= 20Mhz	5 = 5.0V	T =TTL/HCMOS	0 = ±0.5ppm (0 ~ +50℃)
TCXO5032	25= 25Mhz	3 =3.3V	S = Sine Wave	1 = ±1.0ppm (-10 ~ +60℃)
TCXO7050	30= 30Mhz	2 = 2.8V	C= Clipped Sine	2 = ±1.5ppm (-20 ~ +70℃)
	40= 40Mhz			3 = ±2.0ppm (-40 ~ +85℃)

MSC

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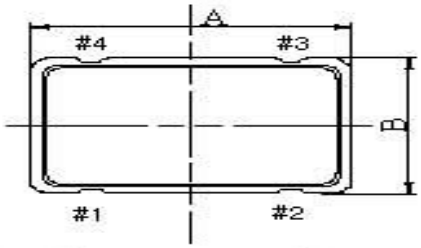
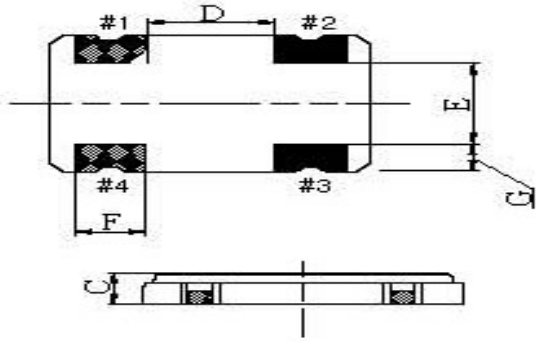
Dimensions (mm)





	SMD5032	SMD3225
A	5.0±0.2	3.2±0.2
B	3.2±0.2	2.5±0.2
C	1.5 max	1.2 max
D	3.2	1.8
E	1.7	1.0
F	0.9	0.65
G	0.75	0.6

Pin Assignment	
#1	Vcont
#2	GND
#3	Output
#4	Vcc