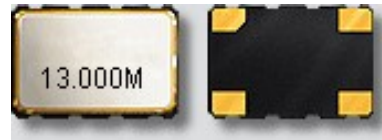


Voltage Controlled Temperature Compensated Crystal Oscillator

(VC) TCXO 3225 Series

Features

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



Specifications

Holder Type	SMD 3.2x2.5
Frequency Range	16.000 Mhz to 40.000Mhz
Operating Temperature Range	0°C to +50°C ~ -40°C to +85°C
Storage Temperature Range	- 40°C to +85°C
Frequency Stability vs. Temperature Range	±0.5ppm (0°C to +50°C) ±1.0ppm (-10°C to +60°C) ±1.5ppm (-20°C to +70°C) ±2.0ppm (-40°C to +85°C)
Supply Voltage	2.8V or 3.3V ±10%
Current Consumption	2.5mA
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

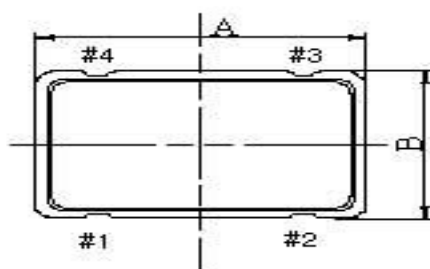
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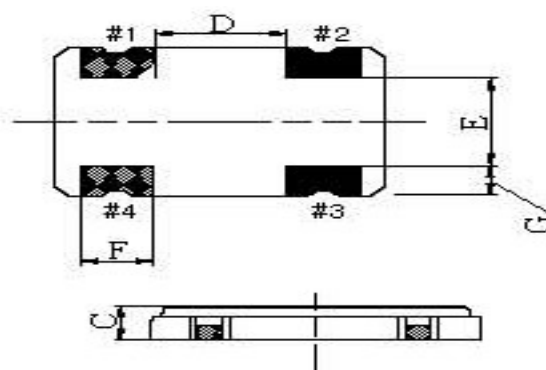
How to order

TCXO3225	27.12M	2	C	1
Series	Frequency	Input Voltage	Output code	Frequency Stability VS. Temperature Range
TCXO3225	20= 20Mhz	3 =3.3V	T =TTL/HCMOS	0 = $\pm 0.5\text{ppm}$ (0 ~ +50°C)
TCXO5032	25= 25Mhz	2 = 2.8V	S = Sine Wave	1 = $\pm 1.0\text{ppm}$ (-10 ~ +60°C)
TCXO7050	30= 30Mhz		C= Clipped Sine	2 = $\pm 1.5\text{ppm}$ (-20 ~ +70°C)
	40= 40Mhz			3 = $\pm 2.0\text{ppm}$ (-40 ~ +85°C)

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	V _{cont}
#2	GND
#3	Output
#4	V _{cc}