

Voltage Controlled Temperature Compensated Crystal Oscillator

(VC) TCXO 7050 Series

Features

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



Specifications

Holder Type	SMD 7.0x5.0
Frequency Range	12.000 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 typical
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	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

TCXO7050	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°C)
TCXO5032	25= 25Mhz	3 =3.3V	S = Sine Wave	1 = ±1.0ppm (-10 ~ +60°C)
TCXO7050	30= 30Mhz	2 = 2.8V	C= Clipped Sine	2 = ±1.5ppm (-20 ~ +70°C)
	40= 40Mhz			3 = ±2.0ppm (-40 ~ +85°C)

MSC

Voltage Controlled Temperature Compensated Crystal Oscillator

(VC) TCXO 7050 Series

Dimensions (mm)

