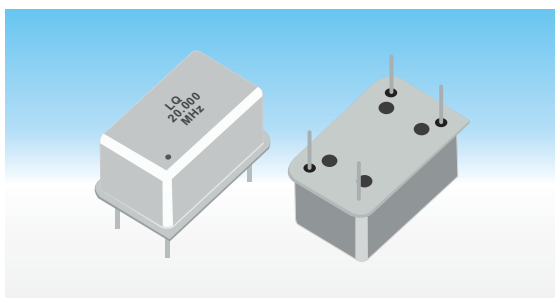


TCXO / Temperature Compensated Crystal Oscillator

6T Series DIP-14 Full-size TCXO 6.4MHz~60MHz O: Clipped Sine Wave/CMOS Size:20.2×12.8×7.0 mm



Features

- DIP-14 full-size TCXO, 20.4×12.8×7.0mm
- Low voltage operation
- Output type: Clipped sine wave /CMOS
- High frequency range: 6.4MHz~60MHz
- Low phase noise
- VC-TCXO available
- Application for telecommunications, Avionics, Test equipment, Electronic instruments, Measurements , etc
- RoHS Compliant /Pb Free

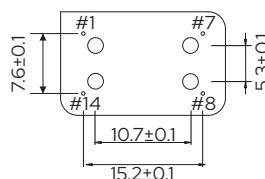
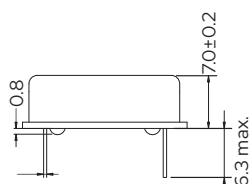
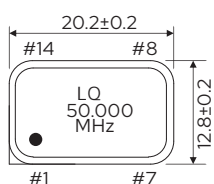


Standard Specifications

Item	Type	6T Series DIP-14 Full-size TCXO /VC-TCXO	
Output Frequency Range		6.4MHz~60MHz	
Supply Voltage		1.8V /2.5V /3.0V /3.3V	
Current Consumption		3.5mA max.	13mA max.
Output Level		Clipped Sine Wave 0.8Vp-p min. (DC-Coupled)	CMOS "0" level 0.1×Vcc V max. "1" level 0.9×Vcc V min.
Output Load		10KΩ//10pF	15pF
Frequency Stability	vs. Tolerance	±1.0ppm max.	±2.0ppm max.
	vs. Temperature	±0.5ppm~±3.0ppm max.	±0.5ppm~±3.0ppm max.
	vs. Supply Voltage	±0.2ppm max.	±0.3ppm max.
	vs. Load	±0.2ppm max.	±0.3ppm max.
	vs. Aging	±1.0ppm/year max.	±1.0ppm/year max.
Start-up Time		5ms max.	10ms max.
Rise and Fall Time		/	10ns max.
VC-TCXO	Frequency Control Range	±5.0ppm min.	
	Control Voltage Range	0.9V±0.6V@Vcc(1.8V), 1.4V±1V@Vcc(2.5V), 1.5V±1V@Vcc(3.0V/3.3V)	
	Input impedance	1.0MΩ min.	
	Response Slope	Positive	
Phase Noise	Offset 10Hz	-80dBc/Hz @13MHz	-96dBc/Hz @10MHz
	Offset 100Hz	-115dBc/Hz @13MHz	-122dBc/Hz @10MHz
	Offset 1KHz	-135dBc/Hz @13MHz	-138dBc/Hz @10MHz
	Offset 10KHz	-148dBc/Hz @13MHz	-145dBc/Hz @10MHz
Operating Temperature Range		-30~+85°C, -40~+85°C, or specify	
Storage Temperature Range		-55~+125°C	

Dimensions

[mm]



Pin Connections	
Pin No.	Connection
#1	Vcont: VC-TCXO GND/NC: TCXO
#7	GND
#8	Output
#14	Vcc