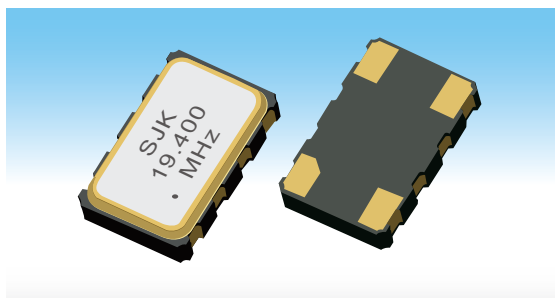


TCXO / Temperature Compensated Crystal Oscillator

5T Series SMD 5032 TCXO /VTCXO 6.4~52MHz O: Clipped Sine Wave /CMOS Size: 5.0×3.2×1.3mm



Features

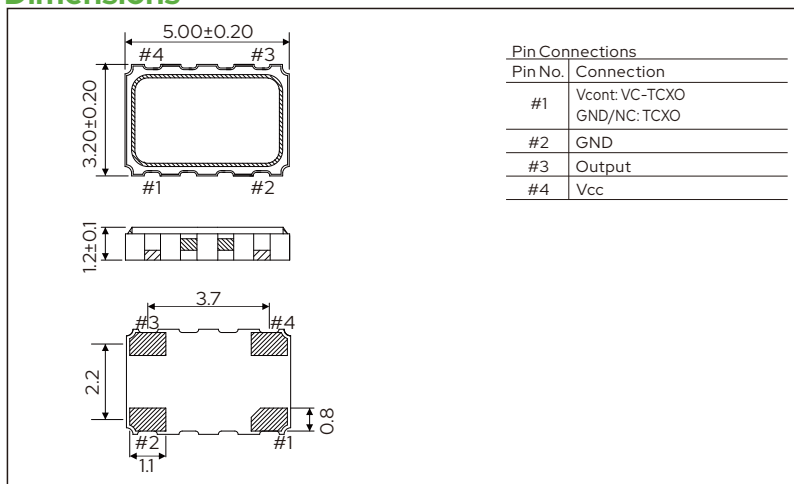
- 5032 size miniature and lightweight SMD TCXO /VC-TCXO
- Low voltage operation
- Single package structure
- Clipped sinewave or CMOS output, frequency range: 6.4~52MHz
- VCTCXO available
- Low phase noise
- Application for GPS /GNSS, Mobile phone, Wearable device, IoT, Telecommunications, Industrial radio communications, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item		Type	5T Series SMD 5032 TCXO /VC-TCXO	
Output Frequency Range			6.4MHz~52MHz	6.4MHz~52MHz
Supply Voltage			1.8V /2.5V /3.0V /3.3V	
Current Consumption			3.5mA max.	6mA 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±5%		±0.2ppm max.	±0.3ppm max.
	vs. Load±10%		±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



Recommended Land Pattern [mm]

