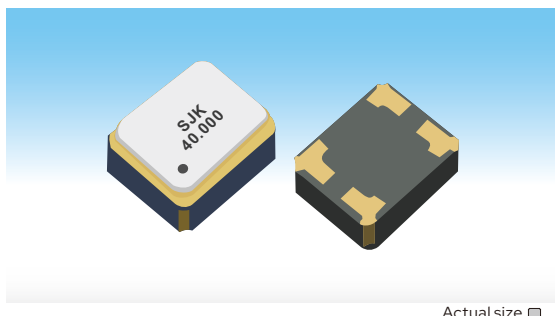


TCXO / Temperature Compensated Crystal Oscillator

1T Series SMD 1612 TCXO /VC-TCXO 10~52MHz O: Clipped Sine Wave Size: 1.6 × 1.2 × 0.5 mm



Features

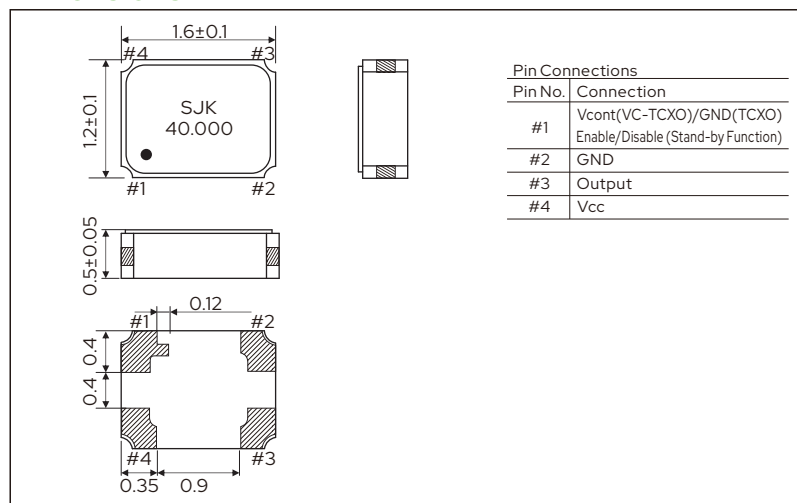
- 1612 size ultra miniature and lightweight SMD TCXO /VC-TCXO
- Low voltage operation
- Single package structure
- High frequency range: 10MHz~52MHz
- Low phase noise
- Stand-by function available (TCXO)
- Application for GPS /GNSS, Mobile phone, Wearable device, IoT, Telecommunications, Industrial radio communications, etc
- RoHS Compliant /Pb Free



Standard Specifications

Item	Type	1T Series SMD 1612 TCXO /VC-TCXO
Output Level		0.8Vp-p (Clipped Sine Wave/DC-coupled)
Output Load		10KΩ//10pF
Frequency Range		10MHz~52MHz
Supply Voltage		1.8V~3.3V
Current Consumption		2.0mA max.
Harmonics		-5dBc max.
Frequency Stability	vs. Tolerance	±2.5ppm max. (After 2 reflows)
	vs. Temperature	±0.5ppm~±2.0ppm max.
	vs. Supply Voltage	±0.2ppm max. (Vcc±5%)
	vs. Load Variation	±0.2ppm max. (Load±10%)
	vs. Aging	±1.0ppm max./year
Start-up Time		5.0ms max.
Symmetry		40~60%
VC-TCXO	Frequency Control Range	±7.0ppm~±16.0ppm
	Control Voltage Range	0.9V±0.6V@Vcc=1.8V, 1.5V±1V@Vcc>=2.6V
	Input impedance	500KΩ
	Response Slope	Positive
Phase Noise	Offset 100Hz	-105dBc/Hz
	Offset 1KHz	-125dBc/Hz
	Offset 10KHz	-145dBc/Hz
	Offset 100KHz	-150dBc/Hz
Operating Temperature Range		-30~+85°C, -40~+85°C, or specify
Storage Temperature Range		-40~+85°C

Dimensions



Recommended Land Pattern [mm]

