SJK **Shenzhen Crystal Technology Industrial Co., Ltd.**

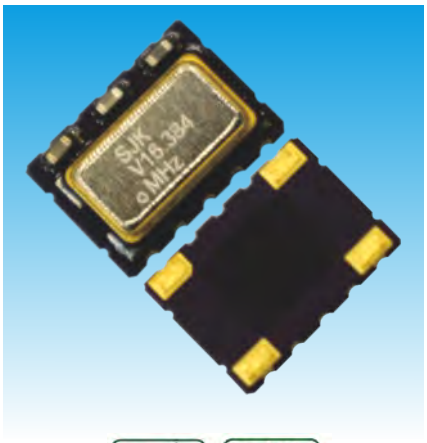
8T | 7.0×5.0 mm

TCXO / VC-TCXO

Temperature Compensated Crystal Oscillator

Features

- Output frequency: 5~52MHz
- 7050 size, 2.0mm high
- CMOS and Clipped Sine wave output
- Temperature stability: ±0.05ppm~±2ppm
- VCTCXO available
- Automatic mounting and reflow soldering
- Applications: *Base station, Stratum 3, Femtocell, etc.*
- RoHS Compliant & Pb Free



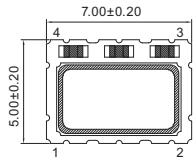
LEAD FREE RoHS Compliant

Standard Specifications

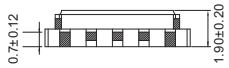
Type		8T SMD TCXO / VC-TCXO	
Output Type		Clipped Sinewave	CMOS
Output Load		10KΩ //10pF	15pF
Supply Voltage		2.5V /3.3V /5.0V	
Frequency Range		5~52 MHz	
Supply Current		3.5mA Max.	6mA Max.
Output Level		0.8 Vp-p Min.	0.1Vcc /0.9Vcc
Frequency Stability	Tolerance	±2.0ppm Max. (after 2 reflows)	
	vs Temperature	±0.2ppm	±0.2ppm
	vs Supply Voltage (Vcc±5%)	±0.1ppm Max.	±0.05ppm Max.
	vs Load (Load Varies±10%)	±0.05ppm Max.	±0.05ppm Max.
	vs Aging	±1.0ppm Max. /Year	
Auto Frequency Control (AFC) Range*		±5~±10ppm (1.5±1V)	
Start-up Time		2ms Max.	2ms Max.
Operating Temperature		-30~+85℃	
Phase Noise @10MHz	100Hz	-130dBc/Hz	
	1KHz	-145dBc/Hz	
	10KHz	-154dBc/Hz	
Packing Unit		1000pcs./Reel	

*For VC-TCXO option.

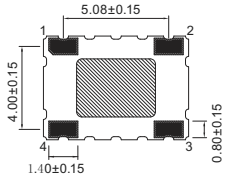
Dimensions [mm]



Top View



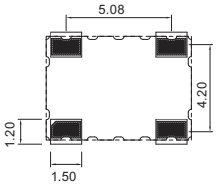
Side View



Bottom View

Pin Functions

Pin No.	Function
1	A. Vcon (VC-TCXO) B. GND (TCXO) C. OE (Tri-state function)
2	GND
3	Output
4	Vcc



Top View Suggested Layout