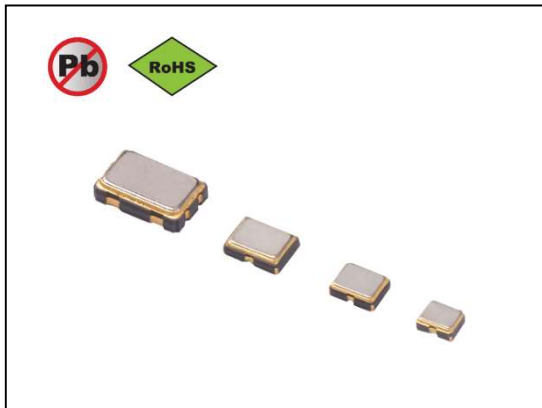


TCXO



Feature

- Temperature Compensation Crystal Oscillator
- Miniature Ceramic Surface Mount package
- High Stability and Low power consumption
- Customized solutions for all applications

Applications

- Telecommunications • RF • Mobile network
- GPS • Metering • Measurement Equipment

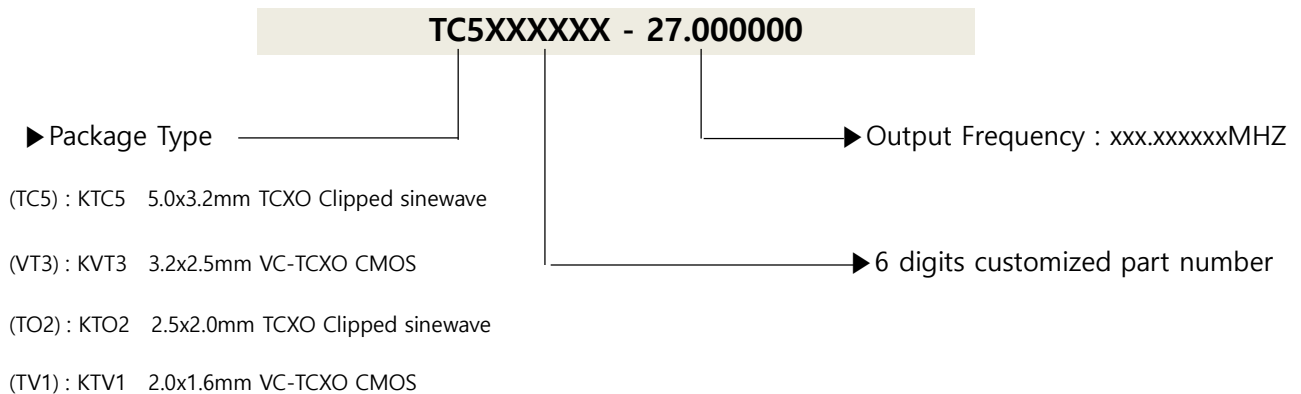
Product Table

Clipped Sinewave

Item		KTC5	KTC3	KTC2	KTC1	KVT5	KVT3	KVT2	KVT1
Package size (L x W mm)		5.0x3.2	3.2x2.5	2.5x2.0	2.0x1.6	5.0x3.2	3.2x2.5	2.5x2.0	2.0x1.6
Type		TCXO				VC-TCXO			
Frequency range		10MHz to 52MHz							
Supply voltage		1.8V, 2.8V, 3.3V							
Storage Temperature		-40°C to +85°C							
Operating Temperature		-30°C to +85°C (Standard) or please specify							
Frequency Stability	vs Temprature	±0.5ppm, ±1.0ppm, ±2.5ppm or please specify							
	vs Voltage (±5%)	±0.2ppm Max							
	vs Load (±5%)	±0.2ppm Max							
	vs Aging (1 year)	±1ppm Max							
Frequency Tolerance	at 25°C±2°C	±1.5ppm Max							
Frequency Control	Control Voltage (VC)	-				1.5V +/-1.0V (3.3V)			
	Pulling Range	-				±5ppm Min or please specify			
Output	Voltage (Vp-p)	0.8V Min							
	Load	10KΩ // 10pF							
	Waveform	Clipped Sinewave							
Current consumption		2.5mA Max or please specify							
Symmertry (Duty)		50% ±10%							
Start up time		5ms Max							

CMOS

Item		KTO5	KTO3	KTO2	KTO1	KTV5	KTV3	KTV2	KTV1
Package size (L x W mm)		5.0x3.2	3.2x2.5	2.5x2.0	2.0x1.6	5.0x3.2	3.2x2.5	2.5x2.0	2.0x1.6
Type		TCXO				VC-TCXO			
Frequency range		10MHz to 52MHz							
Supply voltage		1.8V, 2.8V, 3.3V							
Storage Temperature		-40°C to +85°C							
Operating Temperature		-30°C to +85°C (Standard) or please specify							
Frequency Stability	vs Temprature	±0.5ppm, ±1.0ppm, ±2.5ppm or please specify							
	vs Voltage (±5%)	±0.2ppm Max							
	vs Load (±5%)	±0.2ppm Max							
	vs Aging (1 year)	±1ppm Max							
Frequency Tolerance	at 25°C±2°C	±1.5ppm Max							
Frequency Control	Control Voltage (VC)	-				1.5V +/-1.0V (3.3V)			
	Pulling Range	-				±5ppm Min or please specify			
Output	Load	15pF							
	Waveform	CMOS							
	High level (VOH)	90% Vdd Min							
	Low level (VOL)	10% Vdd Max							
Current consumption		2.5mA Max or please specify							
Symmertry (Duty)		50% ±10%							
Start up time		5ms Max							

Part Numbering Guide

*Customized part numbering is assigned with H&S sales consultant.



H&S HighTech Corp.

Address: 62-7 Techno 1-ro, Yuseong-Gu, Daejeon, 34014, Republic of Korea

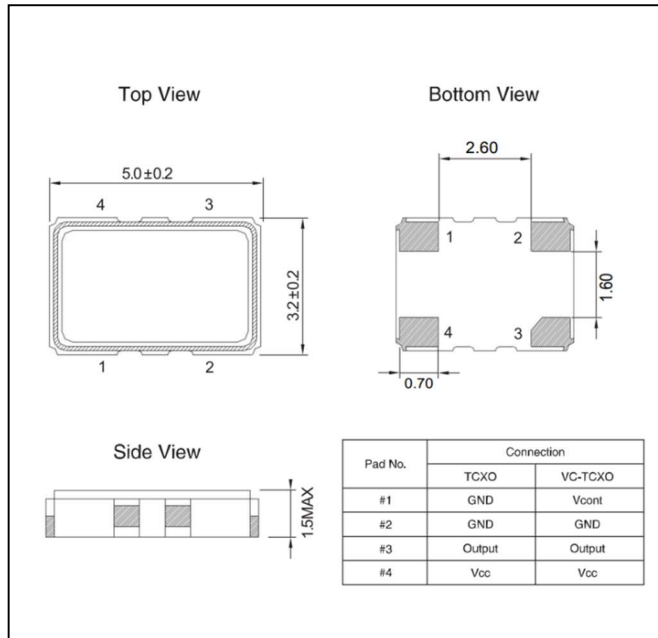
Email: sales@hnshightech.com | Tel : +82-42-866-1300

<http://hnshightech.com:3000/product/frequency/27>

Dimension (mm)

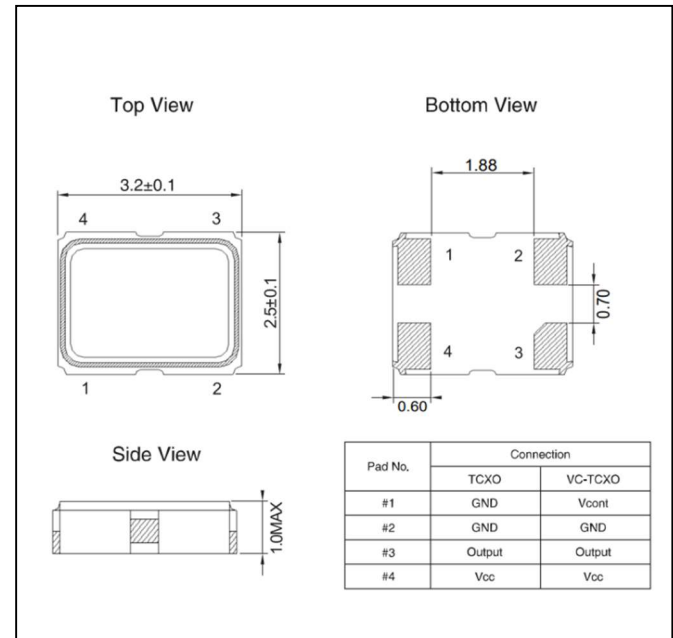
KTC5 / KVT5 / KTO5 / KTV5

- Package size: 5.0x3.2x1.5mm (SMD)



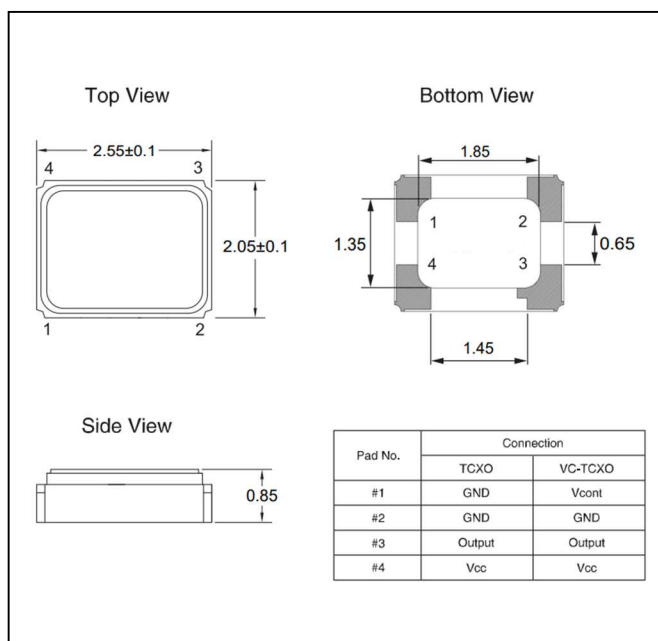
KTC3 / KVT3 / KTO3 / KTV3

- Package size: 3.2x2.5x1.0mm (SMD)



KTC2 / KVT2 / KTO2 / KTV2

- Package size: 2.5x2.0x0.85mm (SMD)



KTC1 / KVT1 / KTO1 / KTV1

- Package size: 2.0x1.6x0.80mm (SMD)

