

High Precision TCXO



Feature

- Ultra-high stability performance
- Wide temp, Low phase noise and Low power
- Stratum 3E Level Clock
- Customized solutions for all applications

Applications

- Wireless communications • SONET equipment
- Mobile network • GPS • Data Centers and Servers

Product Table

High stability, Wide temp range

Item		PTA	PTB	PTC
Frequency Stability vs Temp.		±0.05ppm	±0.05ppm	±0.05ppm
Long-term Frequency Stability	Per day	±20ppb	±20ppb	±20ppb
	Per year	±1.0ppm	±1.0ppm	±1.0ppm
Temperature range		-40 to +85°C -40 to +105°C -55 to +85°C		
Phase noise (dBc/Hz@1kHz)		-145	-145	-145
Package size (L x W x H)		7.0x5.0x1.7mm	7.0x5.0x2.2mm	5.0x3.2x1.4mm
Recommended Frequency		9.6M, 10M, 12.8M, 13M, 15.36M, 16.384M, 19.2M, 20M, 25M, 26M, 30.72M, 32.768M, 38.88M, 40M, 50M		

Small-size package, Low power consumption

Item		PTD	PTE	PTF
Frequency Stability vs Temp.		±0.28ppm	±0.28ppm	±0.28ppm
Long-term Frequency Stability	Per day	±20ppb	±20ppb	±20ppb
	Per year	±1.0ppm	±1.0ppm	±1.0ppm
Temp. range		-40 to +85°C -40 to +105°C		
Phase noise (dBc/Hz@1kHz)		-140	-140	-140
Package size (L x W x H)		3.2x2.5x0.9mm	2.5x2.0x0.8mm	2.0x1.6x0.7mm
Recommended Frequency		10M, 19.2M, 20M, 25M, 26M, 38.4M, 38.88M		

Part Numbering Guide

PTAXXXXXX - 10.000000

► Package Type

- (PTA) : TCXO 7.0x5.0x1.7mm (SMD)
- (PTB) : TCXO 7.0x5.0x2.2mm (SMD)
- (PTC) : TCXO 5.0x3.2x1.4mm (SMD)
- (PTD) : TCXO 3.2x2.5x0.9mm (SMD)
- (PTE) : TCXO 2.5x2.0x0.8mm (SMD)
- (PTF) : TCXO 2.0x1.6x0.7mm (SMD)

► Output Frequency : xxx.xxxxxMHz

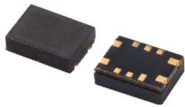
► 6 digits customized part number

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

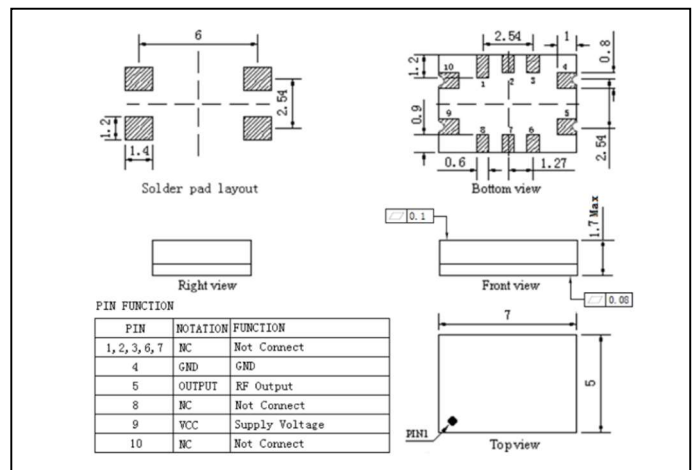
Description and Dimension (mm)

PTA

High Stability, Wide temp range

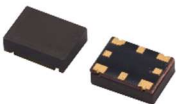


- Size: 7.0x5.0x1.7mm (SMD)
- Output: HCMOS, Clipped Sinewave
- Supply voltage: 3.3V, 5.0V
- Stratum 3E Level Clock

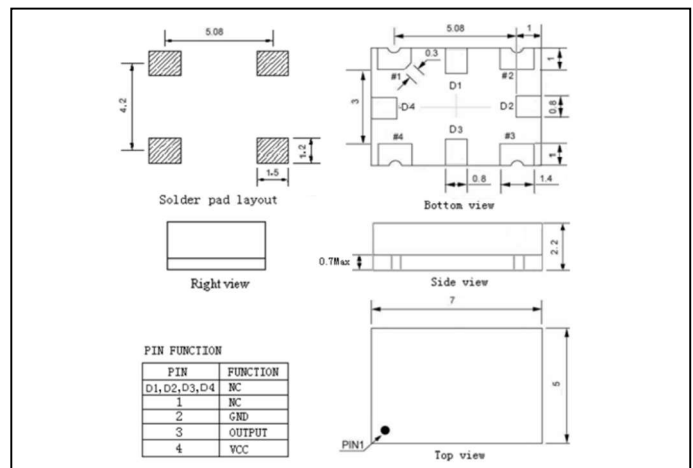


PTB

High Stability, Wide temp range



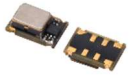
- Size: 7.0x5.0x2.2mm (SMD)
- Output: HCMOS, Clipped Sinewave
- Supply voltage: 3.3V, 5.0V
- Stratum 3E Level Clock



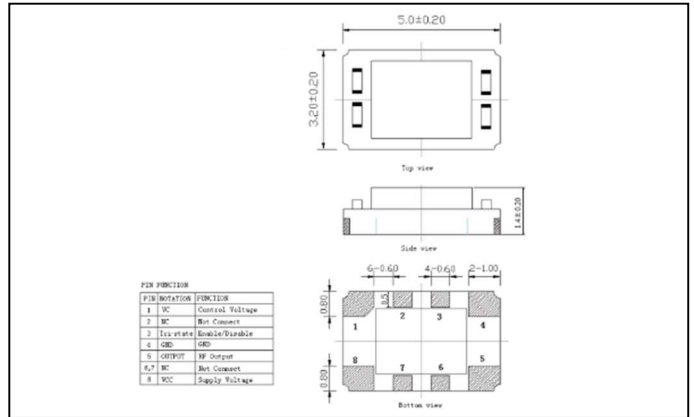
Description and Dimension (mm)

PTC

High Stability, Wide temp range

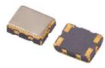


- Size: 5.0x3.2x1.4mm (SMD)
- Output: HCMOS, Clipped Sinewave
- Supply voltage: 3.3V
- Stratum 3E Level Clock

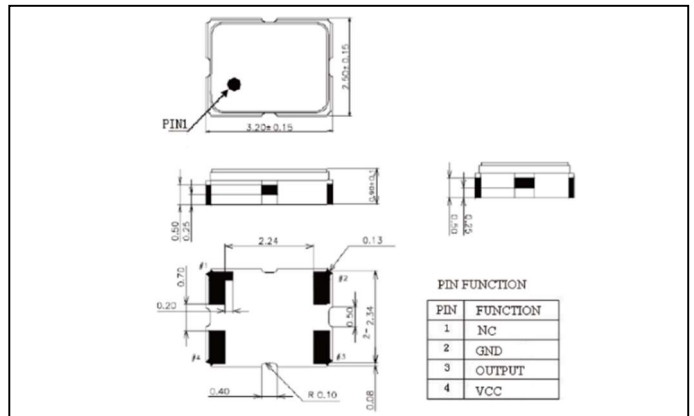


PTD

Small size, Low power consumption



- Size: 3.2x2.5x0.9mm (SMD)
- Output: HCMOS, Clipped Sinewave
- Supply voltage: 3.3V
- Stratum 3E Level Clock

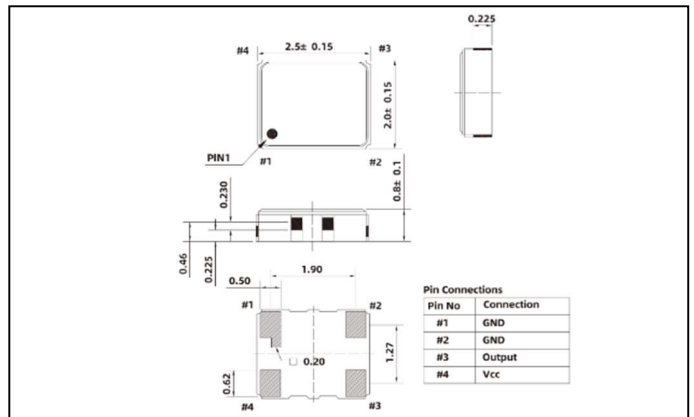


PTE

Small size, Low power consumption



- Size: 2.5x2.0x0.8mm (SMD)
- Output: HCMOS, Clipped Sinewave
- Supply voltage: 3.3V
- Stratum 3E Level Clock



PTF

Small size, Low power consumption



- Size: 2.0x1.6x0.7mm (SMD)
- Output: HCMOS, Clipped Sinewave
- Supply voltage: 3.3V
- Stratum 3E Level Clock

