

High Precision OCXO



Feature

- Ultra-high stability performance
- Excellent phase noise performance
- Wide operating temperature range available
- Customized solutions for all applications

Applications

- Telecommunications • Radio Access Network
- Base station • GPS • Data Centers and Servers

Product Table

High stability, Low phase noise

Item		POA	POB	POC	POD
Frequency Stability vs Temp.		±0.01ppb	±0.1ppb	±50ppb	±0.5ppb
Long-term Frequency Stability	Per day	±0.05ppb	±0.02ppb	±1.0ppb	±0.5ppb
	Per year	±0.01ppm	±0.02ppm	±0.1ppm	±0.05ppm
Temperature range		-40 to +85°C			
Phase noise (dBc/Hz@1kHz)		-150	-150	-165	-155
Package size (L x W x H)		50.8x50.8x19mm	36x27x12.7mm	25.4x25.4x12.7mm	25x22x12mm
Recommended Frequency		10MHz	10MHz	100MHz	10MHz

Wide temp range, Low phase noise, Small-size package

Item		POE	POF	POG
Frequency Stability vs Temp.		±1.0ppb	±10ppb	±20ppb
Long-term Frequency Stability	Per day	±5.0ppb	±1.0ppb	±1.0ppb
	Per year	±0.5ppm	±0.1ppm	±0.3ppm
Temp. range		-40 to +85°C -55 to +95°C		
Phase noise (dBc/Hz@1kHz)		-160	-160	-160
Package size (L x W x H)		14.4x9.5x6.5mm	9.7x7.5x3.9mm	7.5x5.5x3.3mm
Recommended Frequency		10M, 12.8M, 19.2M, 20M, 38.88M		

Part Numbering Guide

POAXXXXXX - 10.000000

► Package Type

(POA) : OCXO 50.8x50.8x19mm (DIP)
 (POB) : OCXO 36x27x12.7mm (DIP)
 (POC) : OCXO 25.4x25.4x12.7mm (DIP)
 (POD) : OCXO 25x22x12mm (SMD)
 (POE) : OCXO 14.4x9.5x6.5mm (SMD)
 (POF) : OCXO 9.7x7.5x3.9mm (SMD)
 (POG) : OCXO 7.5x5.5x3.3mm (SMD)

► Output Frequency : xxx.xxxxxxMHZ

► 6 digits customized part number

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

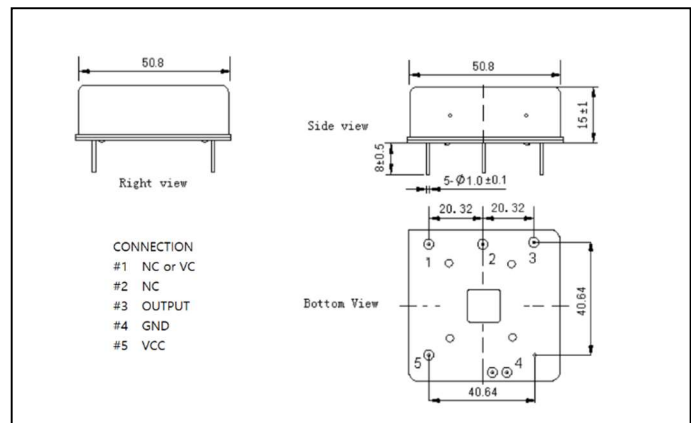
Description and Dimension (mm)

POA

Ultra-high Stability



- Size: 50.8x50.8x19mm (DIP)
- Output: CMOS, Clipped Sinewave
- Supply voltage: 5.0V, 12.0V

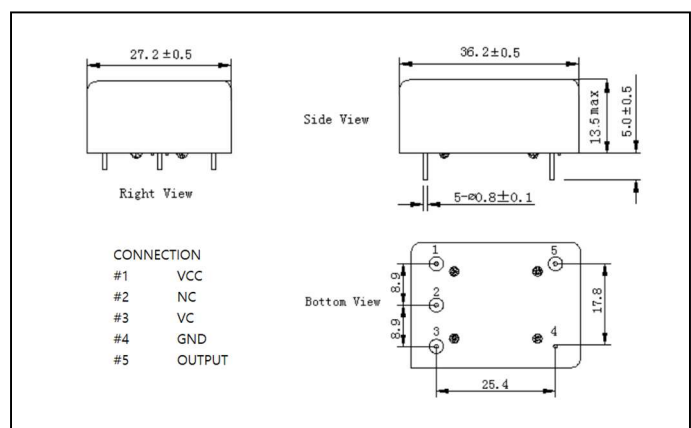


POB

Ultra-high Stability



- Size: 36x27x12.7mm (DIP)
- Output: CMOS, Clipped Sinewave
- Supply voltage: 5.0V, 12.0V



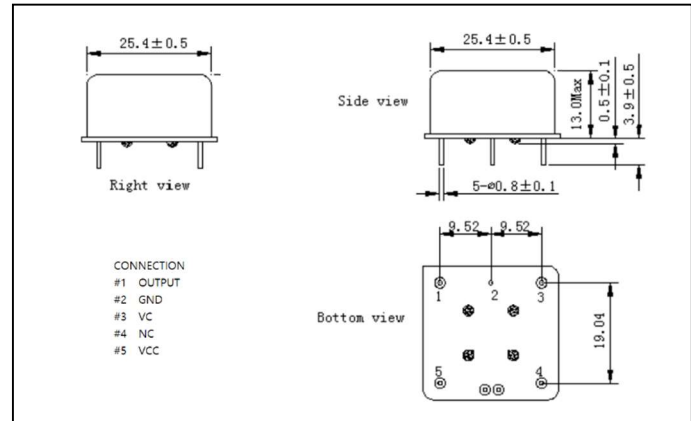
Description and Dimension (mm)

POC

Low phase noise

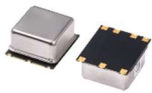


- Size: 25.4x25.4x12.7mm (DIP)
- Output: Sinewave
- Supply voltage: 5.0V, 12.0V

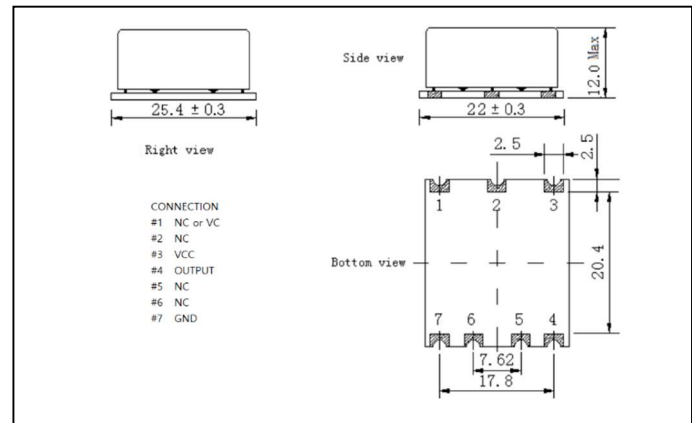


POD

Ultra-high Stability

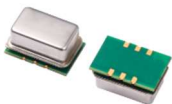


- Size: 25x22x12mm (SMD)
- Output: CMOS, LVTTTL
- Supply voltage: 3.0V, 5.0V, 12.0V

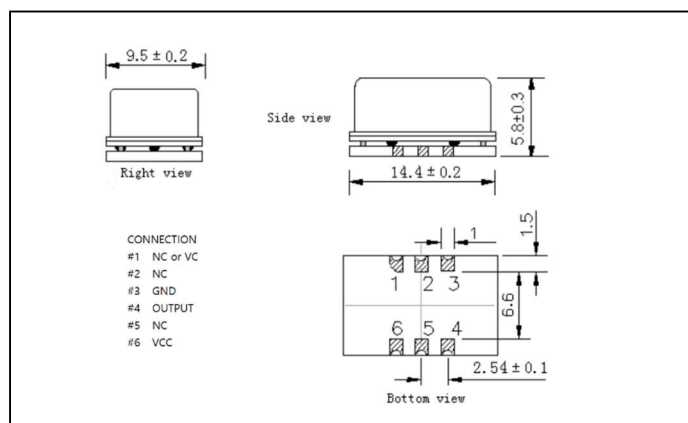


POE

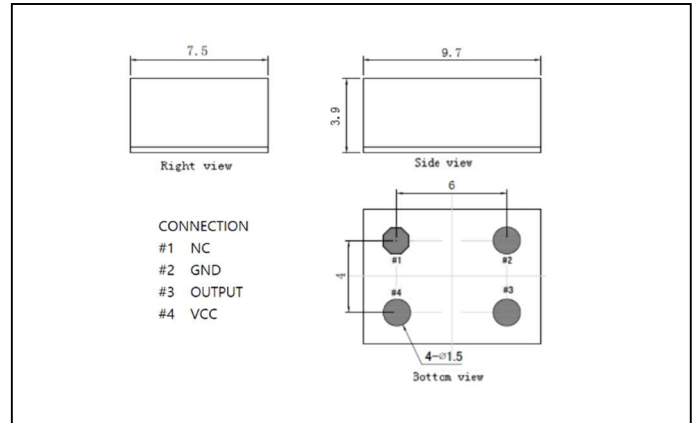
Wide temp, Low power consumption



- Size: 14.4x9.5x6.5mm (SMD)
- Output: CMOS, Sinewave
- Supply voltage: 3.0V
- G-Sensitivity 0.5ppb/G



- Size: 9.7x7.5x3.9mm (SMD)
- Output: CMOS
- Supply voltage: 3.0V
- G-Sensitivity 0.5ppb/G



- Size: 7.5x5.5x3.3mm (SMD)
- Output: CMOS, Clipped Sinewave
- Supply voltage: 3.0V
- G-Sensitivity 0.5ppb/G

