

# VCXO5032 CMOS

Size: 5.0×3.2×1.2 mm

## Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- Package size: 5.0×3.2×1.2 mm.
- CMOS output, output frequencies 10MHz to 170MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: SDH, SONET, Ethernet, Base Stations, Femtocell, Satellite, etc.



RoHS compliant



Pb free



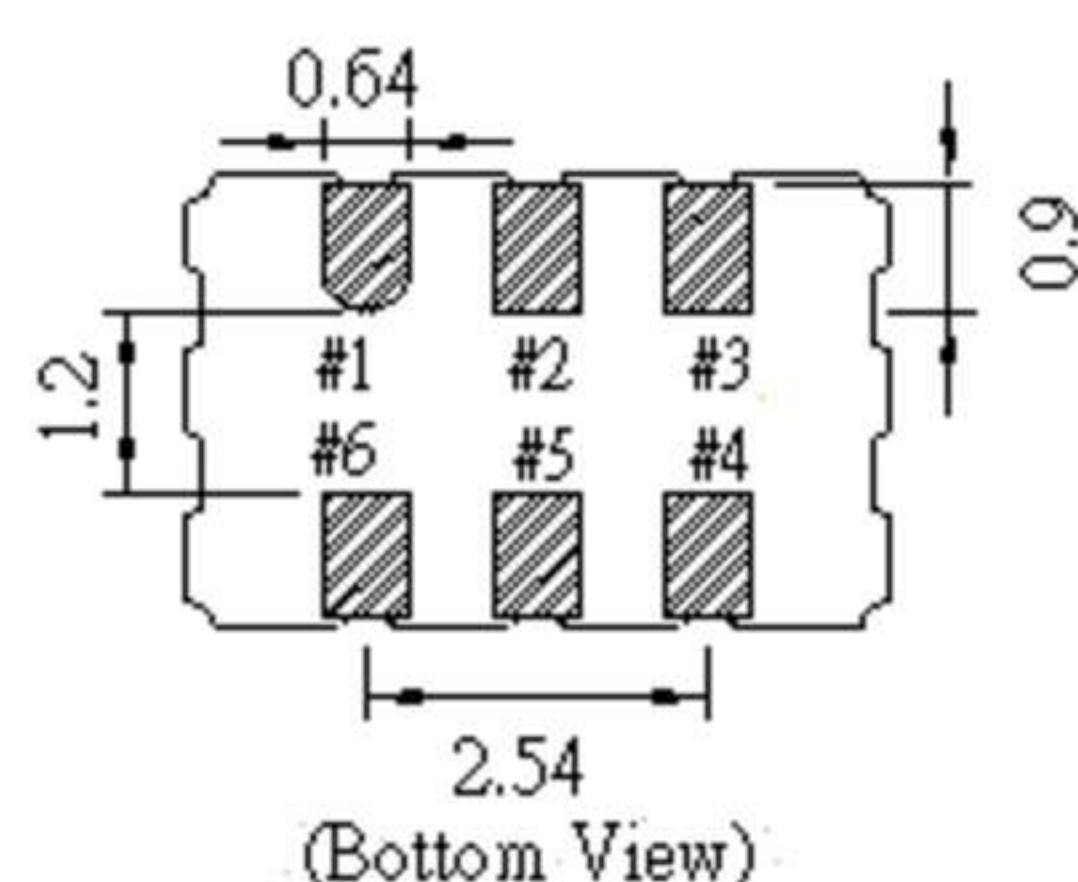
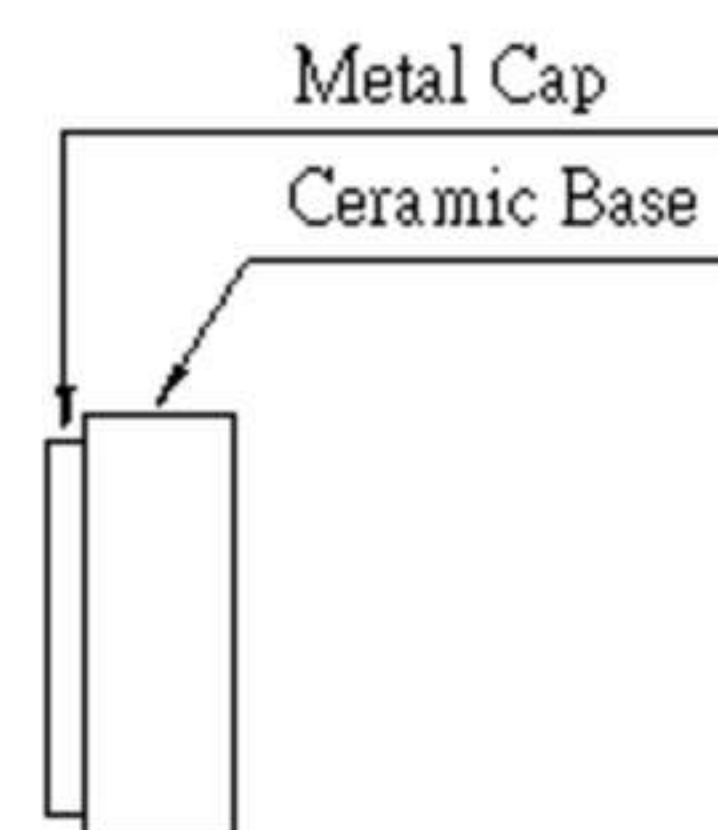
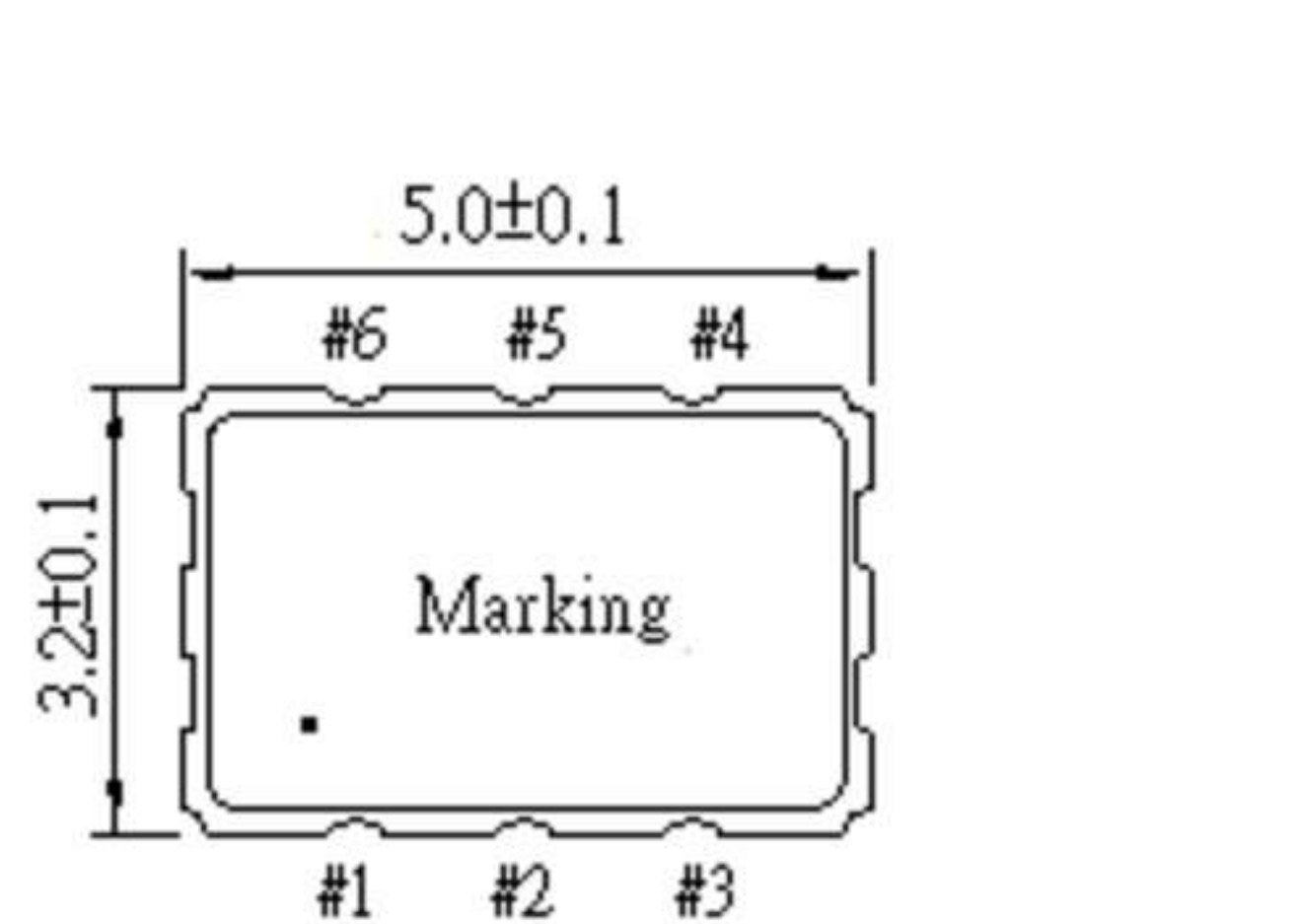
## Electrical Specifications

Item /Type	VCXO 5032
Output Type	CMOS
Output Load	15pF, or specify
Oscillation Mode	Fundamental
Supply voltage	3.3V
Frequency range	10MHz~170MHz
Frequency Stability*	±25ppm, ±50ppm, ±100ppm
Operating Temperature Range	-20~+70°C, -40~+85°C, or specify
Storage Temperature Range	-55~+125°C
Voltage Vol (Typ.) / Voh (Typ.)	0.1VDD / 0.9VDD
Rise(Tr) / Fall(Tf) Time(20%~80%)	6nS Max.
Supply Current	60mA Max.
Symmetry	40~60%
Start-up Time	10mS Max.
Absolute Pulling Range (APR)*	±50ppm Min., or specify
Nominal Control Voltage	0.5VDD
Control Voltage Range	0~VDD
Linearity	10% Max.
Phase Jitter	1pS Max

\* APR=(Pull Range)-(Frequency tolerance at 25°C, variation over temperature, supply voltage variation, and aging. )

## Dimensions

Units:mm



### Pin Connections

- #1 : Vcon
- #2 : INH
- #3 : Gnd
- #4 : Output
- #5 : Nc
- #6 : Vdd

INH Function	
#2	#4 (Output)
Open	Active
"H"Level	Active
"L"Level	High Z(Oscillation Stopped)