

# SMD Voltage Controlled Crystal Oscillators 3.2x2.5x0.95mm V32 Series



## Features

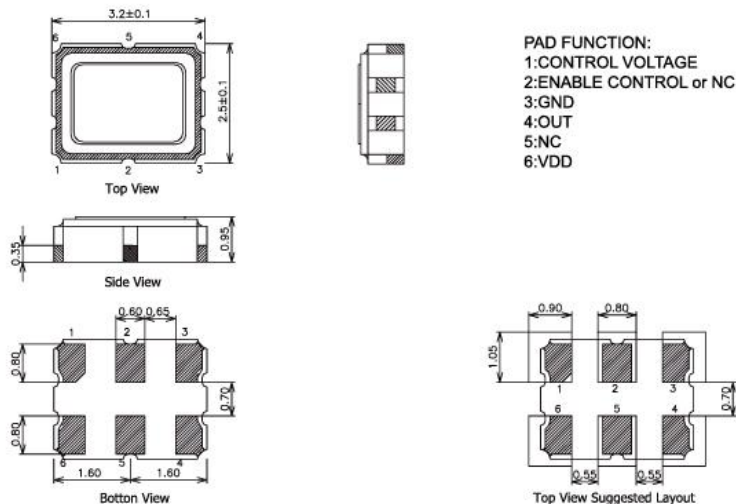
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- CMOS output, output frequencies 10 MHz to 200 MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Main applications : SDH/ SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.



## Crystals specifications

ITEMS/TYPE	V32
Frequency Range	10~200MHz
Oscillation Mode	Fundamental
Output Load	15pF, or specify
Supply Voltage	3.3V, or specify
Output Type	CMOS
Operating Temperature Range	- 40~+85℃, or specify
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol ( Max.) / Voh ( Min.)	0.1 VDD / 0.9 VDD
Rise ( Tr ) / Fall ( Tf ) Time	5ns Max.
Supply Current	60 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10ms Max.
Frequency Pulling Range	±50ppm, ±100, or specify.
Nominal Control Voltage	0.5 VDD
Control Voltage Range	0 ~ VDD
Linearity	±10% Max.
Phase Jitter(12KHz~20MHz )	1ps Max.

## Dimensions and patterns(unit:mm)



Units: mm