

## Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- Package size: 5.0×3.2×1.2 mm.
- LVDS output VCXO, output frequencies range 50MHz to 200MHz.
- 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.



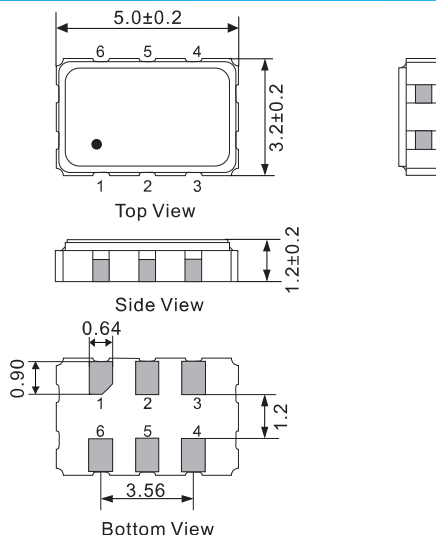
## Electrical Specifications

Item /Type	5V (SMD 5032 VCXO)
Output Type	LVDS
Output Load	100Ω
Oscillation Mode	Fundamental
Supply voltage	3.3V
Frequency range	50MHz~200MHz
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.)	0.9V /1.6V
Rise(Tr) / Fall(Tf) Time(20%~80%)	1nS Max.
Supply Current	80mA Max.
Symmetry	45~55%
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(12KHz~20MHz)	1pS Max

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

## Dimensions

Units:mm



### PAD FUNCTION:

- 1: CONTROL VOLTAGE
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5: NC
- 6: VDD

\* External high frequency power supply decoupling required.

