

SMD LVDS VCXO - Differential Output 5.0 x 3.2 x 1.2 mm CN Series



Features

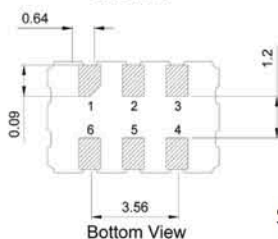
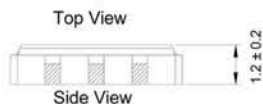
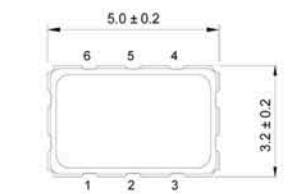
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- LVDS output, output frequencies 50 MHz to 200 MHz.
- Wide pull range and good linearity.
- Low phase noise, low jitter.
- Tri-State function available.
- Applications : SDH / SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

Electrical Specifications

| Item / Type | CN |
|--|--|
| Output Type | LVDS |
| Output Load | 100 Ω |
| Oscillation Mode | Fundamental |
| Supply Voltage (VDD) | 3.3 V |
| Frequency Range | 50 ~ 200 MHz |
| Operating Temperature Range | - 10 ~ + 70 °C , - 40 ~ + 85 °C , or specify |
| Storage Temperature Range | - 55 ~ + 125 °C |
| Voltage Vol(Min.) / Voh(Max.) | 0.9 V / 1.6 V |
| Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %) | 1 nS Max. |
| Supply Current | 80 mA |
| Symmetry | 45 ~ 55 % |
| Start-up Time | 10 mS Max. |
| Absolute Pulling Range (APR) * | ± 50 ppm Min. , or specify |
| Nominal Control Voltage | 0.5 VDD |
| Control Voltage Range | 0 ~ VDD |
| Linearity | 10 % Max. |
| Phase Jitter (12 KHz ~ 20 MHz) | 1 pS Max. |

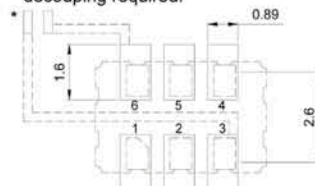
* APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

Dimensions



PAD FUNCTION:
 1: CONTROL VOLTAGE
 2: ENABLE CONTROL or NC
 3: GND
 4: OUT
 5: OUTN
 6: VDD

* :External high frequency power supply decoupling required.



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Remark : Specification subject to change without prior notice. Please confirm with our sales.