SMD LVPECL VCXO
5.0 x 3.2 x 1.2 mm
CJ Series

Features

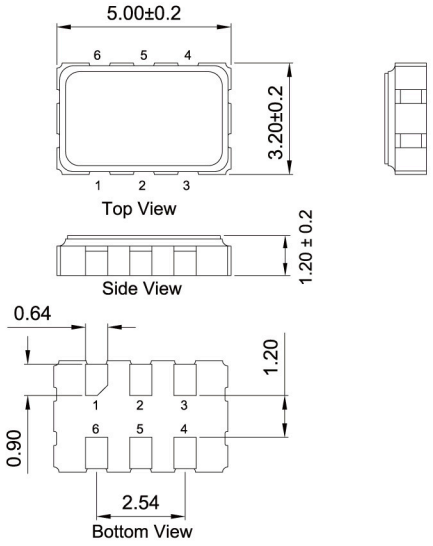
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- PECL output, output frequencies 60 MHz to 200 MHz.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Applications : SDH / SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	CJ
Output Type	LVPECL
Output Load	50 Ω to VDD - 2V
Oscillation Mode	Fundamental
Supply Voltage	3.3 V
Frequency Range	60 ~ 200 MHz
Frequency Stability / Operating Temperature	± 50 ppm / - 40 ~ + 85 ℃
Storage Temperature Range	- 55 ~ + 125 ℃
Voltage Vol (Max.) / Voh (Min.)	VDD - 1.62 V / VDD - 1.025 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	1.65 V
Control Voltage Range	0 - 3.3 V
Linearity	± 10 % Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.

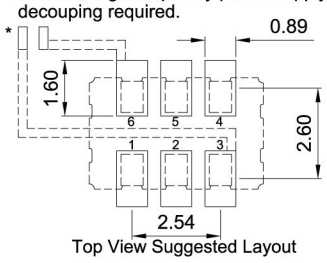
* APR=(Pull Range) - (Frequency tolerance at 25 ℃, variation over temperature, supply voltage, and aging.)

Dimensions



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

* :External high frequency power supply decouping required.



Units: mm

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

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