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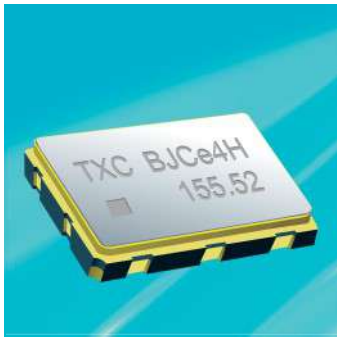
7 x 5 mm SMD LVPECL VCXO BJ SERIES



Features

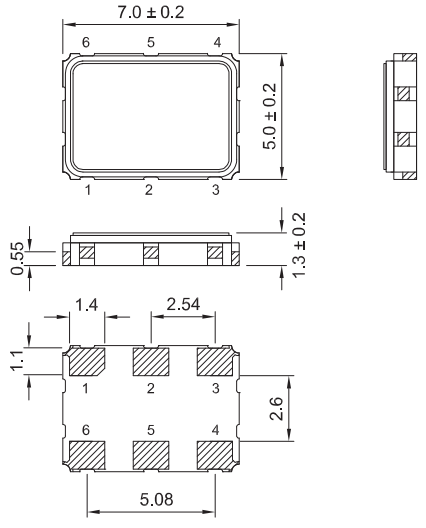
- > Voltage Controlled Crystal Oscillator (VCXO).
- > Fundamental solution.
- > PECL output, output frequencies 60 MHz to 220 MHz.
- > Excellent low phase noise and jitter.
- > Tri-State function available.
- > Applications : SDH/ SONET.
- > RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	BJ
Output Type	LVPECL
Output Load	50 to VDD - 2 V
Oscillation Mode	Fundamental
Supply Voltage	3.3 V
Frequency Range	60 ~ 220 MHz
Frequency Stability / Operating Temperature	± 50 ppm / - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
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) *	± 100 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) - (Degrations due to initial tolerance, operating temperature, supply voltage variation and aging)

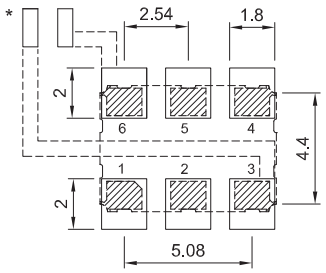
Dimensions



PAD FUNCTION:
1: CONTROL VOLTAGE
2: ENABLE CONTROL
3: GND
4: OUT
5: ~OUT
6: VDD

Suggested Layout

* :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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