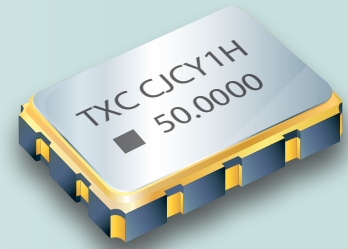


# SMD LVPECL VCXO - Differential Output 5.0 x 3.2 x 1.2 mm CJ Series

Oscillators  
 Series

## Features

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

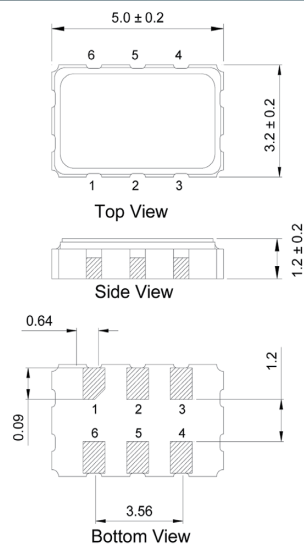


## Electrical Specifications

Item / Type	CJ
Output Type	LVPECL
Output Load	50 $\Omega$ to VDD - 2V
Oscillation Mode	Fundamental
Supply Voltage (VDD)	3.3 V
Frequency Range	50 ~ 200 MHz
Operating Temperature Range	- 10 ~ + 70 $^{\circ}$ C , - 40 ~ + 85 $^{\circ}$ C , or specify
Storage Temperature Range	- 55 ~ + 125 $^{\circ}$ 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 ) *	$\pm$ 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.

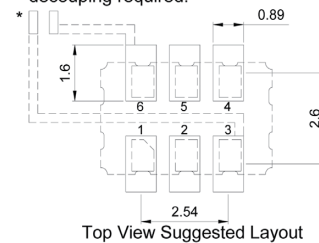
\* APR=(Pull Range) - (Frequency tolerance at 25  $^{\circ}$ C, variation over temperature, supply voltage, and aging.)

## 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.



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>