

# SMD LVDS VCXO - Differential Output 7.0 x 5.0 x 1.3 mm BP Series

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## Features

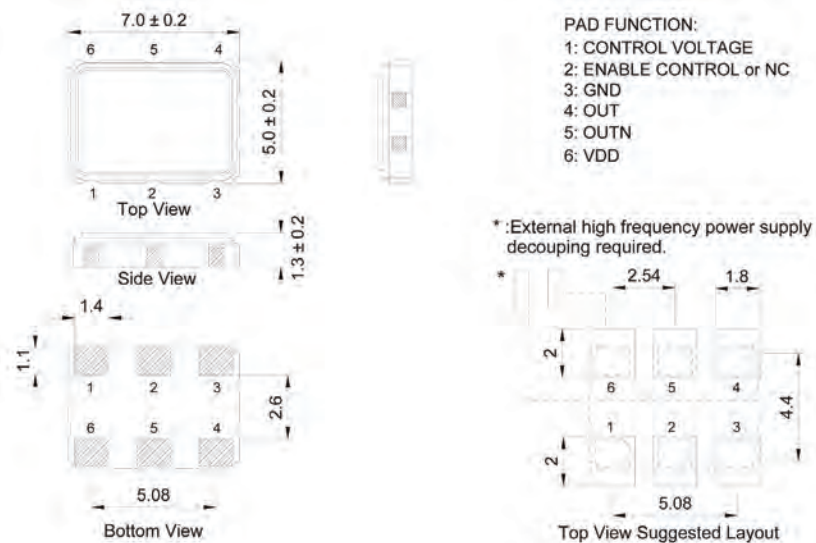
- Voltage Controlled Crystal Oscillator (VCXO).
- PLL solution.
- LVDS output, output frequencies 60 MHz to 700 MHz.
- Wide pull range and good linearity.
- Low phase noise and jitter.
- Tri-State function available.
- Applications : SDH / SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

## Electrical Specifications

Item / Type	BP
Output Type	LVDS
Output Load	100 $\Omega$
Oscillation Mode	PLL
Supply Voltage (VDD)	3.3 V
Frequency Range	60 ~ 700 MHz
Operating Temperature Range	-10 ~ + 70 $^{\circ}\text{C}$ , - 40 ~ + 85 $^{\circ}\text{C}$ , or specify
Storage Temperature Range	- 55 ~ + 125 $^{\circ}\text{C}$
Voltage Vol ( Min. ) / Voh ( Max. )	0.9 V / 1.6 V
Rise ( Tr ) / Fall ( Tf ) Time ( 20 % ~ 80 % )	1 nS Max.
Supply Current	99 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	$\pm$ 10 % Max.
Phase Jitter ( 12 KHz ~ 20 MHz )	1 pS Max.

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

## Dimensions



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