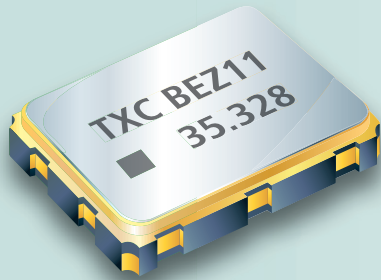


Think of Frequency Think of **TXC**  
 come visit our site <http://www.txccorp.com>

Oscillators  
Series

# SMD Voltage Controlled Crystal Oscillators 7.0 x 5.0 x 1.3 mm 6U Series



## Features

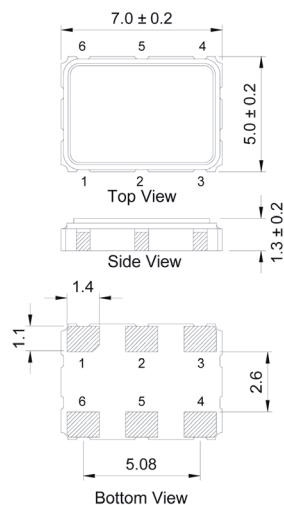
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- CMOS output, output frequencies 1 MHz to 59 MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Supply Voltage Range : 3.3 V , 5 V.
- Main applications : ADSL, Set-top Box, and BS.
- RoHS Compliant / Pb Free.

## Electrical Specifications

Item / Type	6U
Output Type	CMOS
Output Load	15 pF - 30 pF
Oscillation Mode	Fundamental
Supply Voltage	3.3 V , 5 V
Frequency Range	1 ~ 59 MHz
Operating Temperature Range	- 10 ~ + 70 °C , - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol ( Max.) / Voh ( Min.)	0.1 VDD / 0.9 VDD
Rise ( Tr ) / Fall ( Tf ) Time	5 ns Max.
Supply Current	45 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 ms Max.
Frequency Pulling Range	± 50 , ± 100 ppm , 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.
Aging ( at 25 °C )	± 3 ppm / year Max

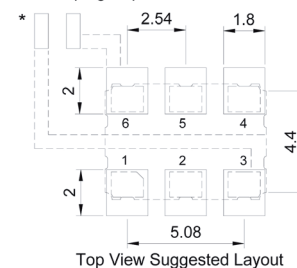
\* APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

## Dimensions



PAD FUNCTION:  
 1: CONTROL VOLTAGE  
 2: ENABLE CONTROL or NC  
 3: GND  
 4: OUT  
 5: NC  
 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>