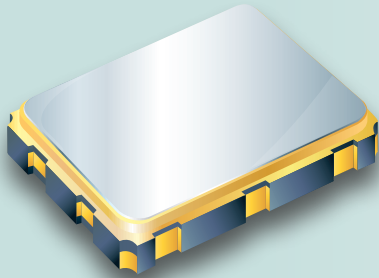


# SMD CMOS VCXO - Single End Output 7.0 x 5.0 x 1.3 mm BR Series



## Features

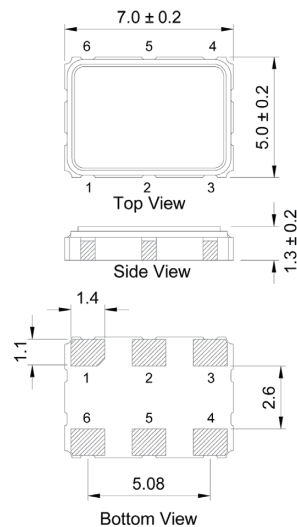
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- CMOS output, output frequencies 50 MHz to 200 MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Main applications : SDH/ SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

## Electrical Specifications

Item / Type	BR
Output Type	CMOS
Output Load	15 pF, or specify
Oscillation Mode	Fundamental
Supply Voltage (VDD)	3.3 V
Frequency Range	50 ~ 200 MHz
Frequency Stability	± 25 PPM , ± 50 PPM, ± 100PPM
Operating Temperature Range	- 10 ~ +70 °C , - 40 ~ + 85 °C, or specify
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol ( Max. ) / Voh ( Min. )	0.1 VDD / 0.9 VDD
Rise ( Tr ) / Fall ( Tf ) Time ( 20 % ~ 80 % )	5 nS Max.
Supply Current	60 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 mS Max.
Absolute Pulling Range ( APR ) *	± 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 )	1pS Max.

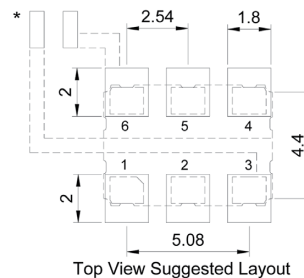
\* APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

## 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