

SMD Voltage Controlled Crystal Oscillators 7.0 x 5.0 x 1.3 mm BN Series



Features

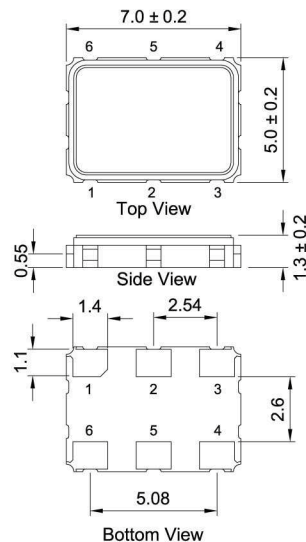
- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- LVDS output ,output frequencies 60 MHz to 200 MHz.
- Wide pull range and good linearity.
- Low phase noise, low jitter.
- Tri-State function available.
- Applications : SDH / SONET, Ethernet, Base Stations.
- RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	BN
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	Fundamental
Supply Voltage	3.3 V
Frequency Range	60 ~ 200 MHz
Frequency Stability / Operating Temperature	± 50 ppm / - 40 ~ + 85 $^{\circ}\text{C}$
Storage Temperature Range	- 55 ~ + 125 $^{\circ}\text{C}$
Voltage Vol (Max.) / Voh (Min.)	0.9 V / 1.6 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) *	± 50 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)	± 10 ps Max.

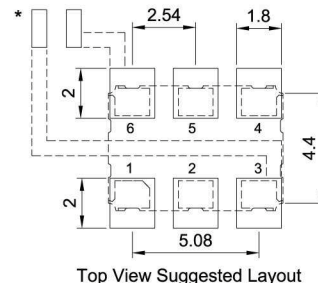
* APR=(Pull Range) - (Frequency tolerance at 25 $^{\circ}\text{C}$, variation over temperature, supply voltage variation, and aging.)

Dimensions



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

* :Power Supply Decoupling Capacitor is Required.



Units: mm