



SMD LVPECL VCXO - Differential Output 7.0 x 5.0 x 1.3 mm BK Series

Features

- Voltage Controlled Crystal Oscillator(VCXO).
- PLL solution.
- LVPECL 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.

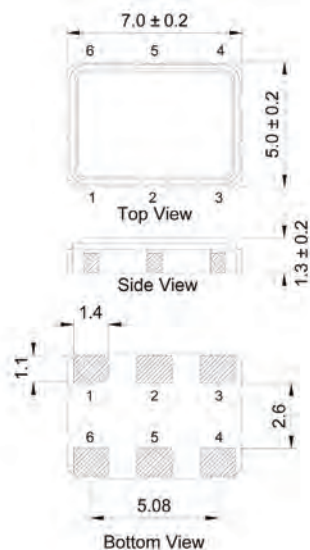


Electrical Specifications

Item / Type	BK
Output Type	LVPECL
Output Load	50 Ω
Oscillation Mode	PLL
Supply Voltage (VDD)	3.3 V
Frequency Range	60 ~ 700 MHz
Operating Temperature Range	-10 ~ + 70 °C , - 40 ~ + 85 °C , or specify
Storage Temperature Range	- 55 ~ + 125 °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	99 mA
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)	1 pS Max.

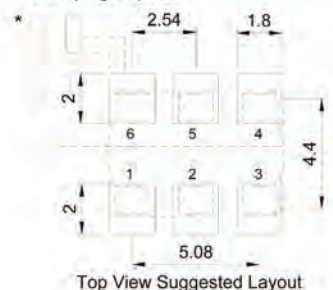
* APR=(Pull Range) - (Frequency tolerance at 25 °C, variation over temperature, supply voltage variation, and aging.)

Dimensions



PAD FUNCTION:
1: CONTROL VOLTAGE
2: ENABLE CONTROL or NC
3: GND
4: OUT
5: OUTN
6: VDD

*: External high frequency power supply decoupling required.



Units: mm