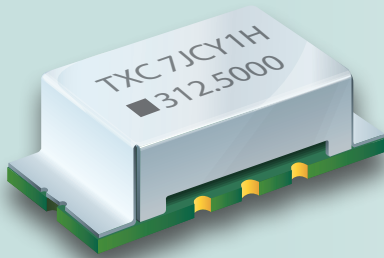


SMD Crystal Oscillators- CMOS Output 14.0 x 9.0 x 5.4 mm 7J Series



Features

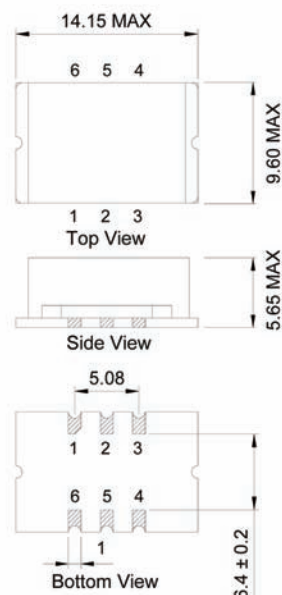
- Surface mount package.
- Either fundamental and 3rd overtone solution.
- CMOS output.
- Excellent low phase noise and jitter.
- Tri-State function available.
- Applications : Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH/SONET.
- RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	7J
Output Type	CMOS
Output Load	15 pF, or Specify
Oscillation Mode	Fundamental / 3rd Overtone
Supply Voltage	1.8V, 2.5V, 2.8V, 3.3 V, 5.0 V
Frequency Range	1 ~ 170 MHz
Overall Frequency Stability*	± 50 ppm, or Specify
Operating Temperature Range	- 10 ~ + 70 °C, - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	10 nS (1~10 MHz), 7 nS (20~50 MHz), 5 nS (>50 MHz) Max.
Supply Current	50 mA Max.
Symmetry	40 ~ 60 %
Start-up Time	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 pS Max.

* Inclusive of frequency tolerance at 25 °C, variation over temperature, supply voltage variation, aging and vibration.

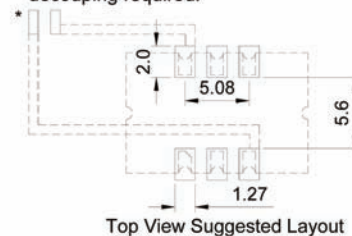
Dimensions



PAD FUNCTION:

- 1: ENABLE CONTROL or NC
- 2: ENABLE CONTROL or NC
- 3: GND
- 4: OUT
- 5: NC
- 6: VDD

*: External high frequency power supply decoupling required.



Units: mm