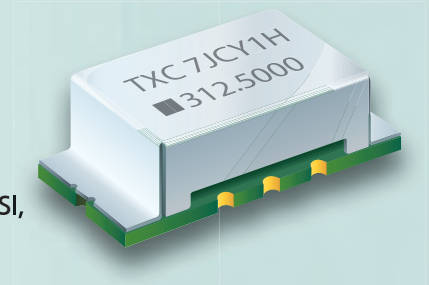


SMD Oscillators- Differential Output 14.0 x 9.0 x 5.4 mm 7J Series

Features

- Surface mount package.
- 3.3V and 2.5V operation available.
- CMOS, LVDS & LVPECL output, output frequencies 25 MHz to 700MHz.
- 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	LVPECL	LVDS
Output Load	50 Ω	100 Ω
Oscillation Mode	Fundamental / 3rd Overtone / PLL	Fundamental / 3rd Overtone / PLL
Supply Voltage (VDD)	2.5 V, 3.3 V	2.5 V, 3.3 V
Frequency Range	25 ~ 700 MHz	25 ~ 700 MHz
Overall Frequency Stability *	± 50 ppm, or specify	± 50 ppm, or specify
Operating Temperature Range	- 10 ~ + 70 °C, - 40 ~ + 85 °C	-10 ~ + 70 °C, - 40 ~ + 85 °C
Storage Temperature Range	- 55 ~ + 125 °C	- 55 ~ + 125 °C
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	1 nS Max.	1 nS Max.
Supply Current	80 mA Max.	80 mA Max.
Symmetry	45 ~ 55 %	45 ~ 55 %
Start-up Time	10 mS Max.	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 pSMax.	1 pS Max.

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

Dimensions

