

SMD LVDS SAW Oscillators - Differential Output 5.0 x 3.2 x 1.2 mm CT Series

Oscillators
Series

Features

- SAW base solution.
- 3.3V and 2.5V operation available.
- LVDS output, output frequencies 150 MHz to 700 MHz.
- 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.

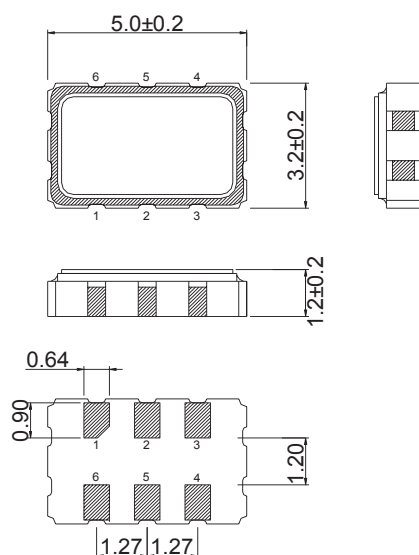


Electrical Specifications

Item / Type	CT
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	Fundamental
Supply Voltage	2.5 V , 3.3 V
Frequency Range	150 ~ 700 MHz
Overall Frequency Stability *	± 100 ppm , or specify
Operating Temperature Range	-10 ~ + 70 $^{\circ}\text{C}$, - 5 ~ + 85 $^{\circ}\text{C}$, or specify
Storage Temperature Range	- 55 ~ + 125 $^{\circ}\text{C}$
Voltage Vol(Min.) / Voh (Max.)	0.9 V / 1.6 V
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	1 nS Max.
Supply Current	80 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	1 pS Max.

* Inclusive of frequency tolerance at 25 $^{\circ}\text{C}$, variation over temperature, supply voltage variation, aging and vibration.

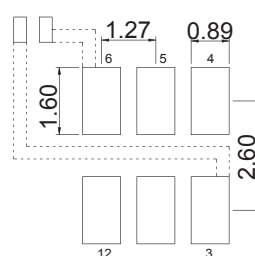
Dimensions



Pin Function:

1. Enable Control or NC
2. Enable Control or NC
3. GND
4. OUT
5. OUTN
6. VDD

Land Pattern:



※ Pad dimension tolerance ± 0.2 mm

※ Power Supply Decoupling Capacitor is Required.

※ Pad dimension tolerance ± 0.2 mm

Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales. <http://www.txccorp.com>