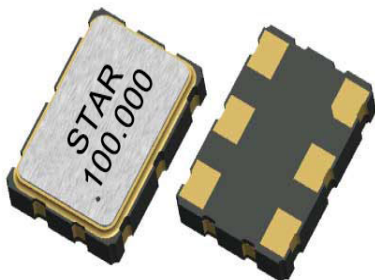


SMD LVDS Crystals

STARWAVE

Oscillators-Differential Output 7.0x5.0x1.6mm DA Series



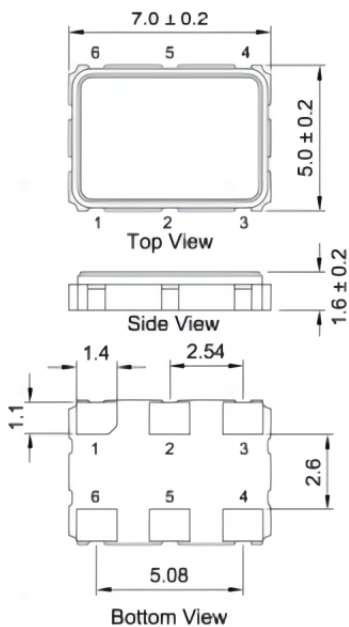
Features

- > 3rd overtone solution.
- > 3.3V and 2.5V operation available.
- > LVDS output, output frequencies 50MHz to 200MHz.
- > Excellent low phase noise and jitter.
- > Applications; Fibre Channel, Gigabit Ethernet, Serial ATA, Serial Attached SCSI, PCI-Express, SDH/SONET.
- > RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	DA
Output Type	LVDS
Output Load	100Ω
Oscillation Mode	3rd Overtone
Supply Voltage	2.5V, 3.3V
Frequency Range	50 ~ 200 MHz
Overall Frequency Stability	± 30 ppm, ± 50 ppm or specify
Operating Temperature Range	- 40 ~ + 85 °C, - 40 ~ + 105 or specify
Storage Temperature Range	- 55 ~ + 125 °C
Voltage Vol(Min.) / Voh(Max.)	0.9V / 1.6V
Rise (Tr) / Fall (Tf) Time (20%~80%)	1nS Max
Supply Current	80 mA Max.
Symmetry	45 ~ 55%
Start-up Time	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	0.2pS Max.

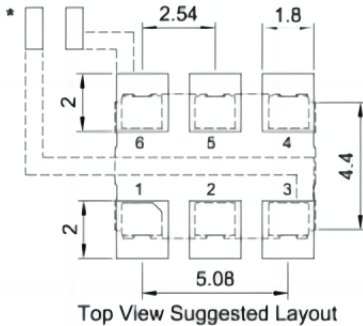
Dimensions



Pin Function:

- 1.OE
- 2.NC
- 3.GND
- 4.OUT
- 5.OUT
- 6.VDD

* :External high frequency power supply decoupling required.



Units: mm