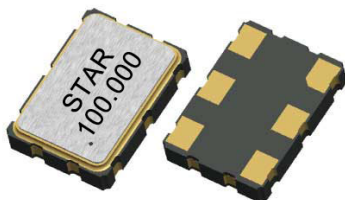


SMD LVDS Crystals

STARWAVE

Oscillators-Differential Output 3.2x2.5x0.95mm DC Series



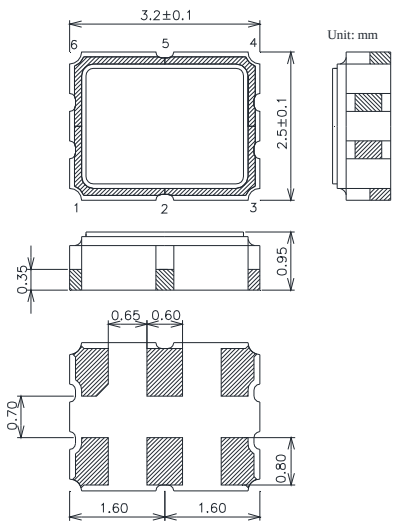
Features

- > 3rd overtone solution.
- > 3.3V and 2.5V operation available.
- > LVDS output, output frequencies 100MHz 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	DC
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

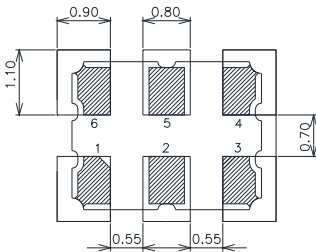


※ Pad dimension tolerance ±0.2 mm

Pin Function:

1. OE
2. NC
3. GND
4. OUT
5. $\overline{\text{OUT}}$
6. VDD

Land Pattern:



※ Power Supply Decoupling Capacitor is Required.

Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.www.starwavecorp.com

Quartz
Oscillators