

SMD LVDS Crystal Oscillators - Differential Output

3.2 x 2.5 x 1.1 mm DG Series

Features

- PLL solution.
- 1.8V , 2.5V, and 3.3V operation available.
- LVDS output, output frequencies 15MHz to 2.1GHz.
- 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	DG
Output Type	LVDS
Output Load	100 Ω
Oscillation Mode	PLL
Supply Voltage	1.8V, 2.5V, 3.3V
Frequency Range	15M ~ 2.1G
Overall Frequency Stability *	± 50 ppm , or specify
Operating Temperature Range	-10 ~ + 70 °C , - 40 ~ + 85 °C, or specify
Storage Temperature Range	- 55 ~ + 125 °C
Output Voltage Range	0.247~0.454 V
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	0.5 nS Max.
Supply Current	99 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	0.5 pS Max.

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

Dimensions

