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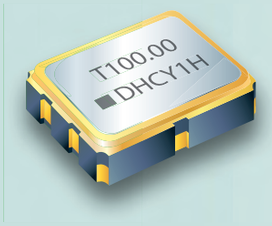
SMD HCSL Crystal Oscillators - Differential Output 3.2 x 2.5 x 0.95 mm DH Series



Features

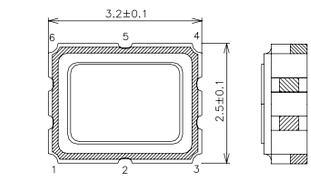
- 3.3V and 2.5V operation available.
- HCSL output, output frequencies 25 MHz to 200 MHz.
- Excellent low phase noise and jitter.
- Tri-State function available.
- PCI-Express, SAS, SATA and other high-Speed interface applications.
- RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type	DH
Output Type	HCSL
Output Load	50 Ω
Oscillation Mode	3rd Overtone
Supply Voltage	2.5 V , 3.3 V
Frequency Range	25 MHz to 200 MHz
Overall Frequency Stability *	± 50 ppm , or specify
Operating Temperature Range	-10 ~ + 70 ℃ , - 40 ~ + 85 ℃ , or specify
Storage Temperature Range	- 55 ~ + 125 ℃
Voltage Vol (Typ.) / Voh (Typ.)	0 mV / 740 mV
Rise (Tr) / Fall (Tf) Time (20 % ~ 80 %)	0.5 nS Max.
Supply Current	30 mA Max.
Symmetry	45 ~ 55 %
Start-up Time	10 mS Max.
Phase Jitter (12 KHz ~ 20 MHz)	1.0 pS Max.

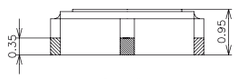
* Inclusive of frequency tolerance at 25 ℃, variation over temperature, supply voltage variation, aging and vibration.

Dimensions

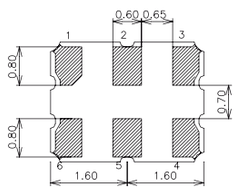


Top View

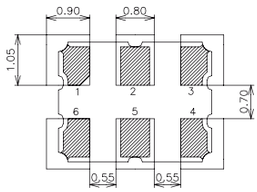
PAD FUNCTION:
1: ENABLE CONTROL or NC
2: ENABLE CONTROL or NC
3: GND
4: OUT
5: OUTN
6: VDD



Side View



Botton View



Top View Suggested Layout

Units: mm

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

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