

HCSL DIFFERENTIAL OUTPUTS CRYSTAL OSCILLATOR OSC8A



Applications

- SONET / SDH / Gbits / Ethernet
IEEE1394 / Fibre Channel

Features

- Dimensions (3.2 × 2.5 × 0.95)
- Small ceramic package
- Low jitter
- Low Phase Jitter / 0.3ps typ. / 12KHz to 20MHz offset
- HCSL differential outputs with Tri-state function

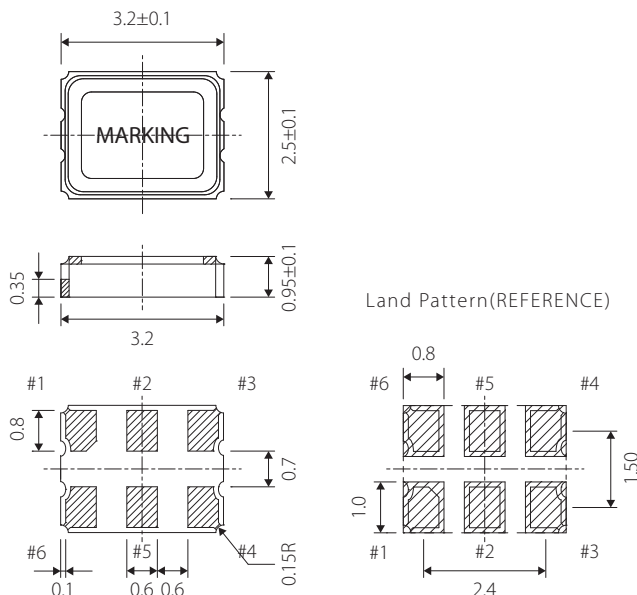
Specifications



Model	OSC8A
Frequency Range	13.5 ~ 200.0 MHz
Storage Temperature Range	-55 ~ +125°C
Operating Temperature Range	-40 ~ +85°C
Frequency Stability	±30 ppm / ±100 ppm
Power Supply Voltage	2.5V, 3.3V DC ±5%
Current Consumption	40 mA max.
Output Type	HCSL
Output Load	50 Ω (to Ground)
Output Voltage Level	V _{OL} : -0.15 ~ 0.15V / V _{OH} : 0.6~0.85V
Rise & Fall time	0.5 ns max. @20%~80% Output Swing Level
Duty Cycle	45~55%@50% Output Swing Level
Start-up Time	10 ms max.
Phase Jitter	1 ps max. @12KHz to 20MHz
Jitter	5 ps max.@RMS Jitter

Package quantity: 3,000pcs max./Reel.

Outline and Dimensions [unit:mm]



Terminal	Connection
#1	Tri-state or N.C
#2	NC
#3	GND
#4	OUT
#5	OUTN
#6	+Vcc

Tri-state Function	
Tri-state pin	Output
High or Floating	Active
Low	Hi-Impedance