

LVPECL DIFFERENTIAL OUTPUTS CRYSTAL OSCILLATOR OSC57A



Applications

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

Features

- Ceramic package
- Dimensions(7.0×5.0×1.5)
- Low Jitter
- Low Phase Jitter / 0.3ps typ. / 12KHz to 20MHz offset
- LVPECL differential outputs with Tri-state function

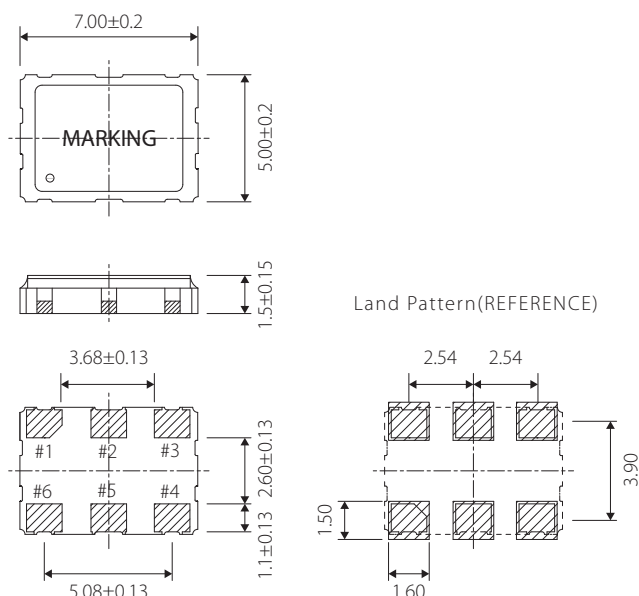
Specifications



Model	OSC57A
Frequency Range	13.5~160.0MHz
Storage Temperature Range	-55~+125°C
Operating Temperature Range	-40~+85°C
Frequency Stability	±30ppm/±100ppm
Power Supply Voltage	2.5V,3.3V DC±5%
Current Consumption	90mA max.(60mA typ.)
Output level	LVPECL
Output Load	50Ω (terminus to Vcc-2V)
Output Voltage Level	V _{OL} : Vcc-1.620 max. / V _{OH} : Vcc-1.025 min.
Rise & Fall time	1ns 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	
	Standard	Option
#1	Tri-state or N.C	NC
#2	NC	Tri-state or N.C
#3	GND	GND
#4	OUT	OUT
#5	OUTN	OUTN
#6	+Vcc	+Vcc

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

