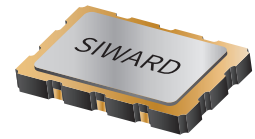


# HCSL DIFFERENTIAL OUTPUTS CRYSTAL OSCILLATOR OSC7E



## Applications

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

## Features

- Dimensions (5.0 × 3.2 × 1.2)
- Low Jitter
- Low Phase Jitter / 0.3ps typ. / 12KHz to 20MHz offset
- HCSL differential outputs with Tri-state function

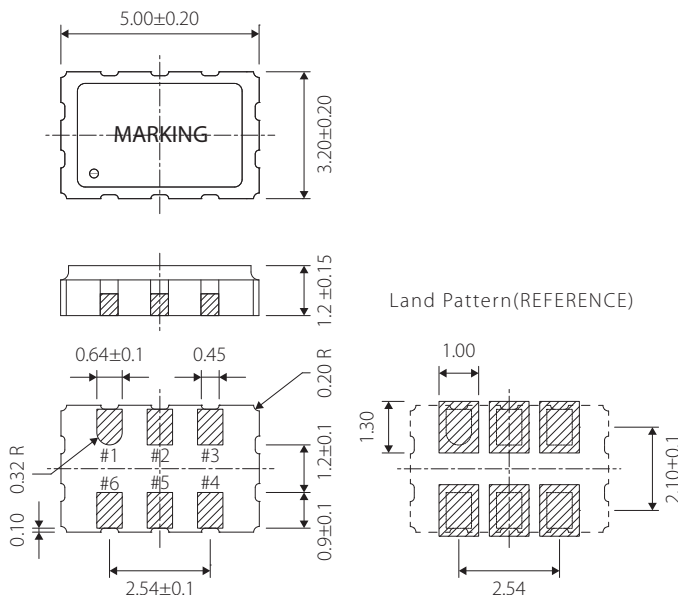
## Specifications



Model	OSC7E
Frequency Range	13.5 ~ 156.25 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 <sub>OL</sub> : -0.15 ~ 0.15V / V <sub>OH</sub> : 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	
	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