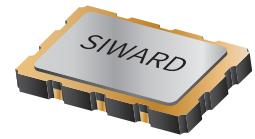


# LVPECL DIFFERENTIAL OUTPUTS CRYSTAL OSCILLATOR SEO-5032



## 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
- LVPECL differential outputs with Tri-state function

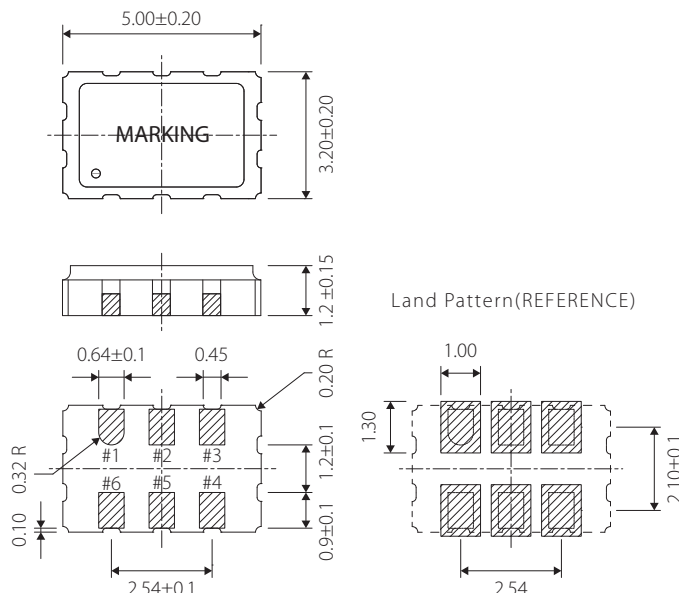
## Specifications



| Model                       | SEO-5032                                                           |
|-----------------------------|--------------------------------------------------------------------|
| Frequency Range             | 13.50 ~ 156.25 MHz                                                 |
| Storage Temperature Range   | -55 ~ +125°C                                                       |
| Operating Temperature Range | -40 ~ +125°C                                                       |
| Frequency Stability         | ±30 ppm / ±100 ppm                                                 |
| Power Supply Voltage        | 2.5V, 3.3V DC ±5%                                                  |
| Current Consumption         | 45 mA max. (35mA typ.)                                             |
| Output Type                 | LVPECL                                                             |
| Output Load                 | 50Ω (terminus to Vcc-2V)                                           |
| Output Voltage Level        | V <sub>OL</sub> :Vcc-1.620 max. / V <sub>OH</sub> :Vcc-1.025V min. |
| Rise & Fall time            | 1 ns max. @20%~80% Output Swing Level                              |
| Duty Cycle                  | 45 ~ 55% @50%Vcc                                                   |
| 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 |

