

SMD 5032 LVPECL Crystal Oscillator

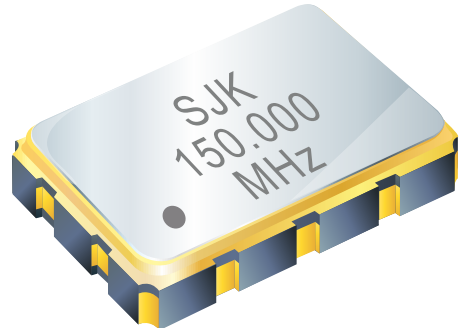


Size: 5.0×3.2×1.20 mm

5P Series SMD LVPECL Oscillator

Features

- Fundamental /3rd overtone solution.
- 3.3V / 2.5V operation voltage.
- Package size: 5.0×3.2×1.20 mm.
- LVPECL output, output frequencies 25MHz to 200MHz.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: Ethernet, Server, SDH, SONET, PC, Mobile Telecommunications, etc.
- RoHS Compliant / Pb-Free.



Electrical Specifications

| Item /Type | 5P (SMD 5032 LVPECL Crystal Oscillator) |
|-----------------------------------|---|
| Output Type | LVPCEL |
| Output Load | 50 Ω to VDD-2V |
| Oscillation Mode | Fundamental / 3rd Overtone |
| Supply voltage | 2.5V, 3.3V |
| Frequency range | 25MHz~200MHz |
| Overall Frequency Stability* | ±50ppm, or specify |
| Operating Temperature Range | -20~+70°C, -40~+85°C, or specify |
| Storage Temperature Range | -55~+125°C |
| Voltage Vol (Typ.) / Voh (Typ.) | VDD-1.62V / VDD-1.026V |
| Rise(Tr) / Fall(Tf) Time(20%~80%) | 1ns Max. |
| Supply Current | 80mA Max. |
| Symmetry | 45~55% |
| Start-up Time | 10ms Max. |
| Phase Jitter(12KHz~20MHz) | 1pS Max. |

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

Dimensions

Units:mm

