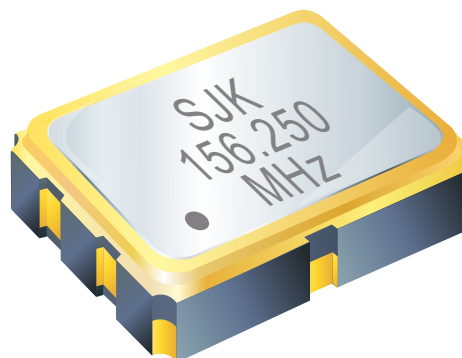


Features

- Voltage Controlled Crystal Oscillator (VCXO).
- Fundamental solution.
- Package size: 5.0×3.2×1.2 mm.
- CMOS output, output frequencies 50MHz to 200MHz.
- Wide pull range and good linearity.
- Excellent low phase noise and jitter.
- 3-state function available.
- Automatic mounting and reflow soldering.
- Applications: SDH, SONET, Ethernet, Base Stations, Femtocell, Satellite, etc.



Electrical Specifications

| Item /Type | 8S (SMD 5032 VCXO) |
|-----------------------------------|----------------------------------|
| Output Type | CMOS |
| Output Load | 15pF, or specify |
| Oscillation Mode | Fundamental |
| Supply voltage | 3.3V |
| Frequency range | 50MHz~200MHz |
| Frequency Stability* | ±25ppm, ±50ppm, ±100ppm |
| Operating Temperature Range | -20~+70°C, -40~+85°C, or specify |
| Storage Temperature Range | -55~+125°C |
| Voltage Vol (Typ.) / Voh (Typ.) | 0.1VDD / 0.9VDD |
| Rise(Tr) / Fall(Tf) Time(20%~80%) | 5nS Max. |
| Supply Current | 60mA Max. |
| Symmetry | 45~55% |
| Start-up Time | 10mS Max. |
| Absolute Pulling Range (APR)* | ±50ppm Min., or specify |
| Nominal Control Voltage | 0.5VDD |
| Control Voltage Range | 0~VDD |
| Linearity | 10% Max. |
| Phase Jitter(12KHz~20MHz) | 1pS Max |

* APR=(Pull Range)-(Frequency tolerance at 25°C, variation over temperature, supply voltage variation, and aging.)

Dimensions

Units:mm

