

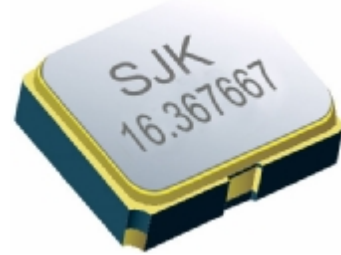


Crystal Oscillator

SERIES 6V / VC-TCXO, 3.2×2.5 mm Voltage Control Temperature Compensated Crystal Oscillator

FEATURE

- Ultra thin
- Leadless type
- Lead Free & RoHS compliant



APPLICATION

- Mobile communication, Avionics,
- Test Equipment, Electronic instruments

ELECTRICAL SPECIFICATIONS

| Parameter | Value | Condition |
|-----------------------------|---|---|
| Output Frequency | 13.000MHz ~ 40.000MHz | |
| Supply Voltage | +1.8V / +2.8V / +3.0V / +3.3V | |
| Output Level | 0.8 V _{p-p} Min. (Clipped Sine Wave) | 10kohm/10pF +/-10% each |
| Current | 1.5 mA Max | 10kohm/10pF +/-10% each |
| Operating Temperature Range | -30°C to +85°C | |
| Storage Temperature Range | -40°C to +85°C | |
| Frequency Stability | | |
| vs. Temperature | +/-2.5ppm Max. | Referenced to the mid point between Min. and Max. frequency |
| vs. Supply Voltage | +/-0.3ppm Max. | V _{CC} ±10% |
| vs. Load | +/-0.2ppm Max. | 10kohm/10pF/+/-10% each |
| vs. Aging | +/-1.0ppm Max. | 1 Year |
| vs. Reflow Soldering | +/-1.0ppm Max. | 2 Times |
| Initial Frequency Tolerance | +/-2.0ppm Max. | 25°C |
| Voltage Control Range | +/-9.0ppm to +/-16.0ppm | V _{cont} = 0~V _{CC} |
| Phase Noise | -110 dBc / Hz Max. | 100Hz offset |
| Harmonics | -5dBc Max | |

DIMENSION (mm)

