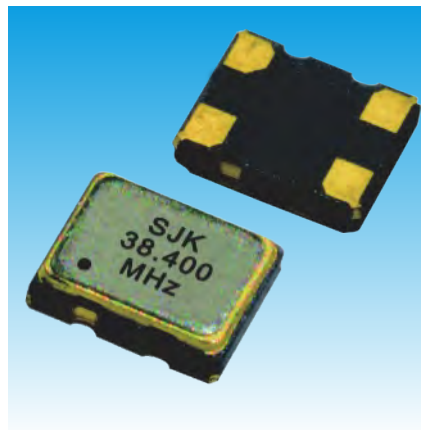


Features

- Output frequency: 10~52MHz
- 2520 size, 0.70mm high SMD TCXO
- Low voltage operation and low phase noise
- Temperature stability: $\pm 0.5\text{ppm} \sim \pm 2.5\text{ppm}$
- VC-TCXO available
- Automatic mounting and reflow soldering
- Applications: *Phone, GPS, WiMAX, WLAN, IoT, Wearable Electronics, etc.*
- RoHS Compliant & Pb Free

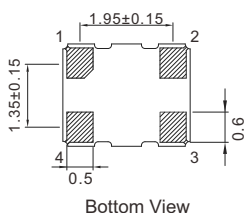
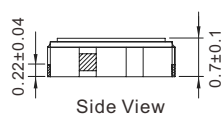
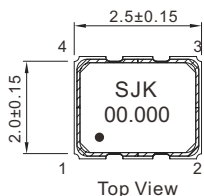


Standard Specifications

| Type | | 7W SMD TCXO / VC-TCXO |
|-------------------------------------|-------------------|--|
| Output Type | | Clipped Sinewave |
| Output Load | | 10K Ω //10pF |
| Supply Voltage | | 1.8~3.3V |
| Frequency Range | | 10~52 MHz |
| Supply Current | | 2.0mA Max. |
| Output Level | | 0.8 Vp-p Min. |
| Frequency Stability | Tolerance | $\pm 2.0\text{ppm}$ Max. (after 2 reflows) |
| | vs Temperature | $\pm 2.5\text{ppm}$ Max. |
| | vs Supply Voltage | $\pm 0.2\text{ppm}$ Max. ($V_{cc} \pm 5\%$) |
| | vs Load | $\pm 0.2\text{ppm}$ Max. (Load Varies $\pm 10\%$) |
| | vs Aging | $\pm 1.0\text{ppm}$ Max. /Year |
| Auto Frequency Control (AFC) Range* | | $\pm 5 \sim \pm 10\text{ppm}$ ($1.4 \pm 1V$) |
| Start-up Time | | 2ms Max. |
| Operating Temperature | | -30~+85°C |
| Phase Noise @19.2MHz | 100Hz | -115dBc/Hz |
| | 1KHz | -135dBc/Hz |
| | 10KHz | -148dBc/Hz |
| Packing Unit | | 3000pcs./Reel |

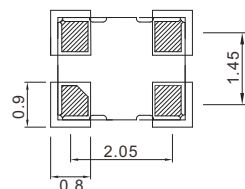
*For VC-TCXO option.

Dimensions [mm]



Pin Functions

| Pin No. | Function |
|---------|--|
| 1 | A. Vcon (VC-TCXO) B. GND (TCXO) C. OE (Tri-state function) |
| 2 | GND |
| 3 | Output |
| 4 | Vcc |



Top View Suggested Layout