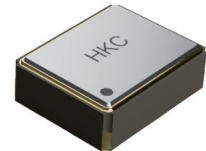
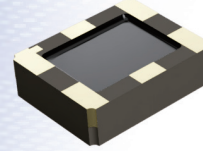




2520 Ceramic SMD TCXO 2520TC Series

Model T4

6 PADS 2.5 x 2.0



Frequency Range : 10.00MHz to 52.00MHz

Features :

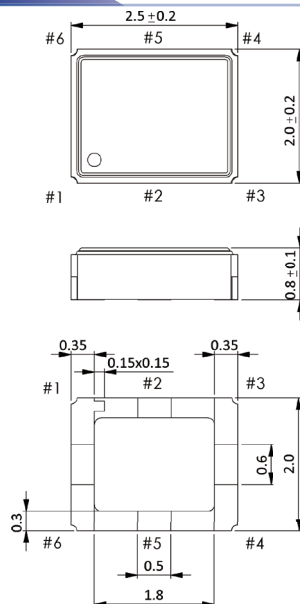
- High precision oscillator unit
- Lead-free type

QUARTZ
CRYSTALS

Standard Specifications

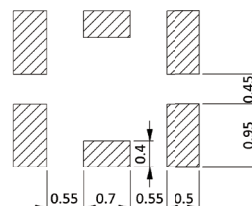
| Item | Value | |
|-----------------------------------|-----------------------------------|---|
| Frequency Range | 10.00MHz to 52.00MHz | |
| Frequency Tolerance at 25°C | ±1.5ppm max. | |
| Frequency Stability | Temperature Range | ±2ppm max. |
| | Input Voltage Change | ±0.2ppm max. |
| | Output Load Change | ±0.2ppm max. |
| | Ageing | ±1ppm max. |
| Operating Temperature Range | -30°C to +85°C | |
| Storage Temperature Range | -40°C to +85°C | |
| Output | Clipped Sine Wave | |
| Output Load | 10kOhm // 10pF | |
| Output Level | 0.8 Vp-p min. | |
| Input Current | 1.5mA max. (10.00MHz to 29.99MHz) | |
| | 1.7mA max. (30.00MHz to 39.99MHz) | |
| | 2mA max. (40.00MHz to 52.00MHz) | |
| Supply Voltage (V _{DD}) | 1.8V, 2.5V, 3.3V | |
| Voltage Control (Optional) | Control Voltage (Vcon) | +0.9V±0.8V (V _{DD} = 1.8V) |
| | | 1/2V _{DD} ± 1V (V _{DD} = 2.5V / 3.3V) |
| | Frequency Adjustment | ±8ppm to ±13ppm (V _{DD} = 1.8V) |
| SSB Phase Noise | | ±9ppm to ±15ppm (V _{DD} = 2.5V / 3.3V) |
| | | -135dBc / Hz, Typical at 1kHz offset |

Dimension



| PIN | CONNECTION | |
|-----|-----------------|----------|
| | TCXO | VC-TCXO |
| #1 | GND | Vcontrol |
| #2 | NC or GND | |
| #3 | GND | |
| #4 | OUTPUT | |
| #5 | NC or GND | |
| #6 | V _{DD} | |

Soldering Pattern



Note:

1. Manufacturer reserves the right to change the specification and content of this product for improvement without notification.
2. Custom specification is welcome. Please contact our sales representative for further details.
3. If the crystal is intended for applications which have direct impact on human life and properties, and require a high degree of reliability and safety concerns, customers must provide full information such as but not limit to the application, electrical and reliability specification at the inquiry beginning stage.
4. Customers have to agree to the "Guideline for handling crystal units" and "Standard Terms and Condition of Sales" which is printed this catalog before placing orders to our company or our distributors. There are also unpredictable factors such as applied condition, oscillation margin and etc and customers must check them beforehand. In case of queries, please do not fail to send inquiry to our company before ordering.

