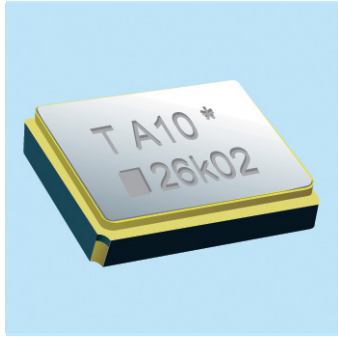


2.5 X 2 mm SMD TCXO 7L SERIES



Features

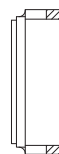
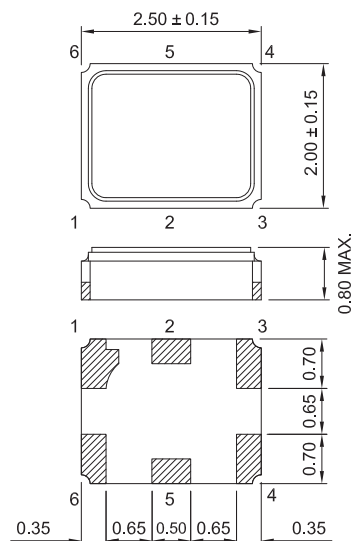
- > Temperature Stability: ± 0.5 ppm $\sim \pm 2.0$ ppm
- > Operating Temperature Range: $-30^{\circ}\text{C} \sim 85^{\circ}\text{C}$
- > Supply Voltage: 1.8 V $\sim$ 3.3 V
- > World's Thinnest Package
- > Frequencies: 16.367667 MHz, 16.368 MHz, 16.369 MHz, 16.8 MHz, 19.2 MHz, 20 MHz, 26 MHz, 33.6 MHz, 38.4 MHz, 40 MHz
- > Applications: GPS, WiMAX, Cellular and Wireless Communications
- > RoHS Compliant / Pb Free

Electrical Specifications

Item / Type		7L
Output Type		Clipped Sinewave
Output Load		10K Ω // 10 pF
Oscillation Mode		Fundamental
Supply Voltage		1.8 $\sim$ 3.3 V
Frequency Range		13 $\sim$ 50 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p typical
Frequency Stability	Vs. Temperature ($-30^{\circ}\text{C} \sim +85^{\circ}\text{C}$)	± 0.5 ppm
	Vs. Load (Load varies $\pm 10\%$)	± 0.2 ppm Max.
	Vs. Supply Voltage ($V_{CC} = \text{Typical} \pm 0.1$ V)	± 0.2 ppm Max.
Frequency Tolerance	at 25°C after 2 Reflows	± 2.5 ppm Max.
Slope of Frequency Drift		± 0.1 ppm / $^{\circ}\text{C}$ Typical ; ± 0.5 ppm / $^{\circ}\text{C}$ Max.
Storage Temperature Range		$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Supply Current		2.0 mA Max.
Start-up Time		5 ms Max.
Harmonics		-5 dBc Max.
Phase Noise at 1 KHz offset		-130 dBc / Hz
Aging (at 25°C)		± 1 ppm / year Max.

* AFC Range is selective and disable is acceptable.

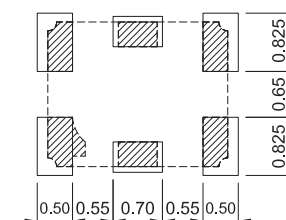
Dimensions



PAD FUNCTION:

- 1: GND
- 2: NC
- 3: GND
- 4: OUT
- 5: NC
- 6: VDD

Suggested Layout



Units:mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.