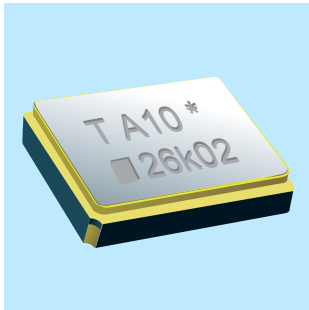


2.5 X 2 mm SMD TCXO 7L SERIES



Features

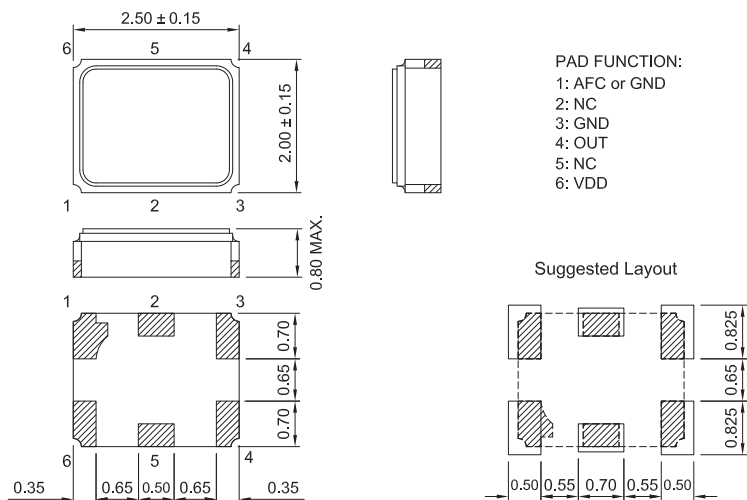
- > Temperature Stability: ± 0.5 ppm ~ ± 2.0 ppm
- > Operating Temperature Range: -30 °C ~ 85 °C
- > Supply Voltage: 1.8 V ~ 3.3 V
- > Voltage Control Function Available
- > World's Thinnest Package
- > Frequencies: 16.367667 MHz, 16.368 MHz, 16.369 MHz, 16.8 MHz, 19.2 MHz, 20 MHz, 26 MHz, 33.6 MHz, 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 ~ 3.3 V
Frequency Range		13 ~ 50 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p typical
Frequency Stability	Vs. Temperature (-30 ~ $+85$ °C)	± 0.5 ppm
	Vs. Load (Load varies ± 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 with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
Slope of Frequency Drift		± 0.1 ppm / °C Typical ; ± 0.5 ppm / °C Max.
Storage Temperature Range		-40 ~ $+85$ °C
Auto Frequency Control (AFC) Range *		± 7 ~ ± 16 ppm / V
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: AFC or GND
 2: NC
 3: GND
 4: OUT
 5: NC
 6: VDD

Units:mm

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