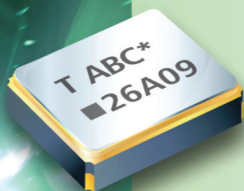


SMD TCXO

2.5 x 2.0 x 0.8 mm

7L Series



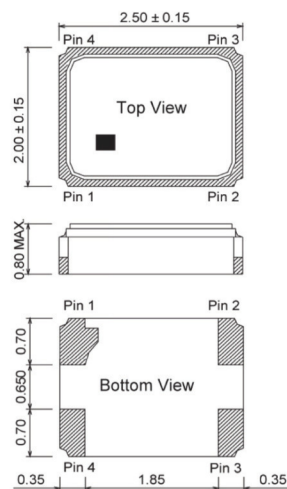
Features

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

Electrical Specifications

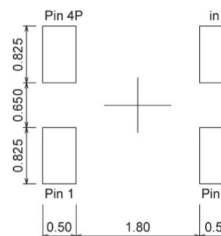
Item / Type		7L
Output Type		Clipped Sinewave
Output Load		10K Ω // 10 pF
Oscillation Mode		Fundamental
Supply Voltage		1.8 ~ 3.3 V
Frequency Range		13 ~ 52 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p typical
Frequency Stability	Vs. Temperature ($-30 \sim +85^\circ\text{C}$)	$\pm 0.5 / \pm 2.0 \text{ ppm}$
	Vs. Load (Load varies $\pm 10\%$)	$\pm 0.2 \text{ ppm Max.}$
	Vs. Supply Voltage ($V_{cc} = \text{Typical} \pm 0.1 \text{ V}$)	$\pm 0.2 \text{ ppm Max.}$
Frequency Tolerance	at 25°C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	$\pm 2.5 \text{ ppm Max.}$
Slope of Frequency Drift		$\pm 0.1 \text{ ppm} / ^\circ\text{C}$ Typical ; $\pm 0.5 \text{ ppm} / ^\circ\text{C}$ Max.
Storage Temperature Range		$-40 \sim +85^\circ\text{C}$
Auto Frequency Control (AFC) Range (Center @ 1.4 V)		$\pm 7 \sim \pm 16 \text{ ppm} / \text{V}$
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)		$\pm 1 \text{ ppm} / \text{year Max.}$

Dimensions



Pin Connection

Name	Function
Pin 1	AFC
Pin 2	GND
Pin 3	OUTPUT
Pin 4	VCC



Units: mm

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TXC Corporation:](#)

[7L-16.367667MCG-T](#) [7L-16.367667MCS-T](#) [7L-16.3676MCG-T](#) [7L-16.3676MCS-T](#) [7L-16.368MCS-T](#) [7L-16.369MCS-T](#) [7L-19.200MCS-T](#) [7L-26.000MCG-T](#) [7L-26.000MCS-T](#) [7L-38.400MCS-T](#) [7L-40.000MCG-T](#) [7L-40.000MCS-T](#) [7L-16.367667MBG-T](#) [7L-16.367667MBS-T](#) [7L-16.367667MDG-T](#) [7L-16.367667MDS-T](#) [7L-16.3676MBG-T](#) [7L-16.3676MBS-T](#) [7L-16.3676MDG-T](#) [7L-16.3676MDS-T](#) [7L-16.368MBS-T](#) [7L-16.368MDS-T](#) [7L-16.369MBS-T](#) [7L-16.369MDS-T](#) [7L-19.200MBS-T](#) [7L-19.200MDS-T](#) [7L-26.000MBN-T](#) [7L-26.000MBS-T](#) [7L-26.000MCN-T](#) [7L-26.000MDN-T](#) [7L-26.000MDS-T](#) [7L-38.400MBS-T](#) [7L-38.400MDS-T](#) [7L-40.000MBG-T](#) [7L-40.000MBN-T](#) [7L-40.000MBS-T](#) [7L-40.000MCN-T](#) [7L-40.000MDG-T](#) [7L-40.000MDN-T](#) [7L-40.000MDS-T](#) [7L26076001](#) [7L30073001](#) [7L26002009](#) [7L26001018](#) [7L40022002](#) [7L26001005](#) [7L19273001](#) [7L40021001](#) [7L40081002](#) [7L26002022](#) [7L26002017](#) [7L26003006](#) [7L16303002](#) [7L40001002](#) [7L19202002](#) [7L26002007](#) [7L-38.400MDN-T](#) [7L-38.400MBN-T](#) [7L-38.400MCN-T](#) [7L-32.000MBH-T](#)