



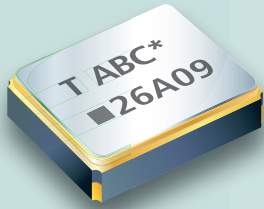
**THE DATASHEET OF  
7L26002007**

# SMD TCXO

## 2.5 x 2.0 x 0.8 mm

### 7L Series

Think of Frequency Think of **TXC**  
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#### Features

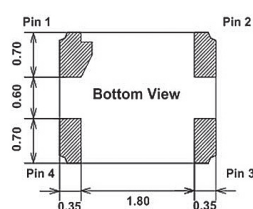
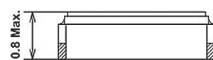
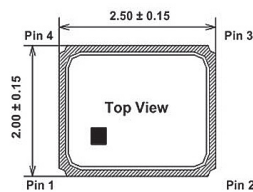
- Temperature Stability:  $\pm 0.5$  ppm ~  $\pm 2.0$  ppm.
- Operating Temperature Range:  $-30$  °C ~  $85$  °C.
- Supply Voltage:  $1.8$  V ~  $3.3$  V.
- Voltage Control Function Available.
- Frequencies: 16.367667 MHz, 16.368 MHz, 16.369 MHz, 19.2 MHz, 26 MHz, 33.6 MHz, 38.4 MHz, 40 MHz, 52 MHz.
- Applications: GPS, WiMAX, Cellular and Wireless Communications.
- RoHS Compliant / Pb Free.

#### Electrical Specifications

Item / Type		7L
Output Type		Clipped Sinewave
Output Load		10K $\Omega$ // 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 Min.
Frequency Stability	Vs. Temperature ( $-30$ ~ $+85$ °C)	$\pm 0.5 / \pm 2.0$ ppm
	Vs. Load (Load varies $\pm 10$ %)	$\pm 0.2$ ppm Max.
	Vs. Supply Voltage ( $V_{CC} = \text{Typical} \pm 0.1$ V)	$\pm 0.2$ ppm Max.
Frequency Tolerance	at 25 °C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	$\pm 2.5$ ppm Max.
Slope of Frequency Drift		$\pm 0.1$ ppm / °C Typical ; $\pm 0.5$ ppm / °C Max.
Storage Temperature Range		$-40$ ~ $+85$ °C
Auto Frequency Control (AFC) Range *		$\pm 7$ ~ $\pm 16$ ppm (1.4V $\pm$ 1V)
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)		$\pm 1$ ppm / year Max.

\* AFC Range is selective and disable is acceptable.

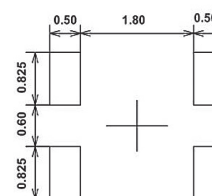
#### Dimensions



#### Pin Connection

Name	Connection
Pin 1	AFC or GND
Pin 2	GND
Pin 3	OUTPUT
Pin 4	VCC



#### Recommended Land Pattern



Units: mm

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