

# SMD TCXO 2.0 x 1.6 x 0.75 mm 7Z Series

Oscillators  
 Series

## 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
- World's Thinnest Package
- Frequencies: 26 MHz, 33.6 MHz, 38.4 MHz, 40 MHz
- Applications: GPS, WiMAX, Cellular and Wireless Communications
- RoHS Compliant / Pb Free

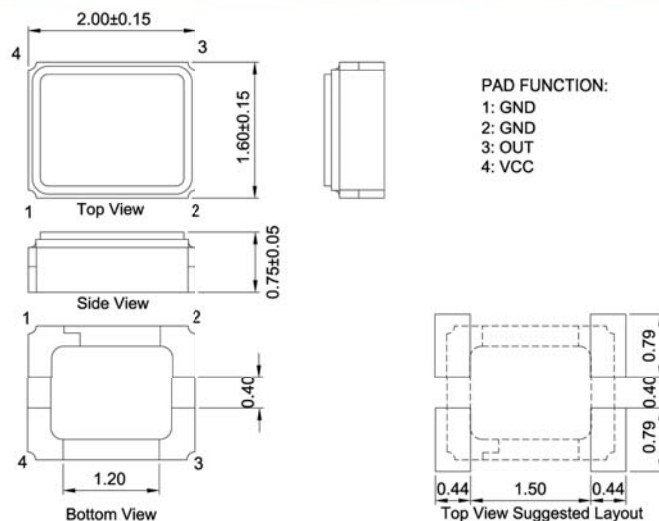


## Electrical Specifications

Item / Type		7Z
Output Type		Clipped Sinewave
Output Load		$10K \Omega // 10$ pF
Oscillation Mode		Fundamental
Supply Voltage		$1.8 \sim 3.3$ V
Frequency Range		$26 \sim 52$ MHz
Clipped Sinewave Output Voltage		$0.8$ Vp-p typical
Frequency Stability	Vs. Temperature ( $-30 \sim +85$ °C)	$\pm 0.5 / \pm 2.0$ ppm
	Vs. Load ( Load varies $\pm 10$ % )	$\pm 0.2$ ppm Max.
	Vs. Supply Voltage ( $V_{cc} =$ 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		$-40 \sim +85$ °C
Auto Frequency Control ( AFC ) Range *		$+7 \sim +16$ 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 )		$\pm 1$ ppm / year Max.

\* AFC Range is selective and disable is acceptable.

## Dimensions



Units: mm

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