

SMD TCXO 2.0 x 1.6 x 0.75 mm 7Z Series

Oscillators
Series

Features

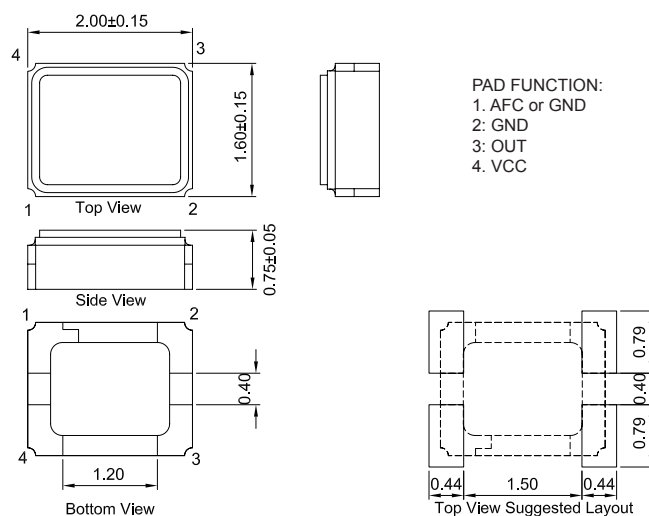
- Temperature Stability: ± 0.5 ppm ~ ± 2.0 ppm
- Operating Temperature Range: -30°C ~ 85°C
- Supply Voltage: 1.8 V ~ 3.3 V
- Voltage Control Function Available
- World's Thinnest Package
- Frequencies: 26 MHz, 33.6 MHz, 38.4 MHz, 40 MHz
- Applications: GPS, WiMAX, Cellular and Wireless Communications
- RoHS Compliant / Pb Free



Electrical Specifications

Item / Type		7Z
Output Type		Clipped Sinewave
Output Load		10K Ω // 10 pF
Oscillation Mode		Fundamental
Supply Voltage		1.8 ~ 3.3 V
Frequency Range		26 ~ 52 MHz
Clipped Sinewave Output Voltage		0.8 V _{p-p} typical
Frequency Stability	Vs. Temperature ($-30 \sim +85^{\circ}\text{C}$)	$\pm 0.5 / \pm 2.0$ ppm
	Vs. Load (Load varies $\pm 10\%$)	± 0.2 ppm Max.
	Vs. Supply Voltage ($V_{cc} = \text{Typical} \pm 0.1 \text{ V}$)	± 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 / $^{\circ}\text{C}$ Typical ; ± 0.5 ppm / $^{\circ}\text{C}$ Max.
Storage Temperature Range		$-40 \sim +85^{\circ}\text{C}$
Auto Frequency Control (AFC) Range (Center 0.9 V)		$\pm 7 \sim \pm 16$ 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.

Dimensions



Units: mm

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