Think of Frequency Think of JR

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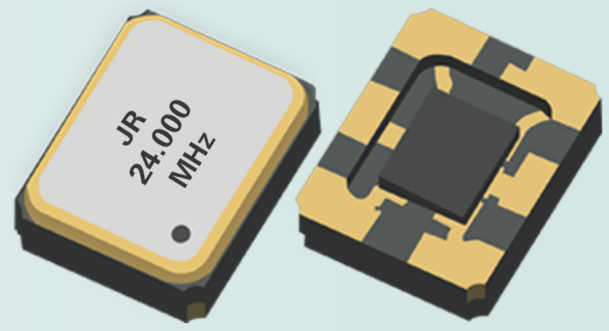
SMD TCXO
2.0 x 1.6 x 0.75 mm

Features

- Temperature Stability: ± 0.5 ppm ~ ± 2.0 ppm.
- Operating Temperature Range: - 30 ℃ ~ 85 ℃.
- 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, 52 MHz.
- Applications: GPS, WiMAX, Cellular and Wireless Communications.
- RoHS Compliant / Pb Free.

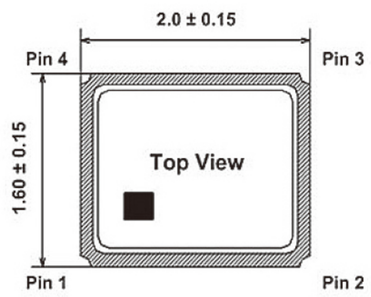


Electrical Specifications

Item / Type		2016
Output Type		Clipped Sinewave
Output Load		10KΩ // 10 pF
Oscillation Mode		Fundamental
Supply Voltage		1.8 ~ 3.3 V
Frequency Range		26 ~ 52 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p typical
Frequency Stability	Vs. Temperature (- 30 ~ + 85 ℃)	± 0.5 / ± 2.0 ppm
	Vs. Load (Load varies ± 10 %)	± 0.2 ppm Max.
	Vs. Supply Voltage (Vcc = Typical ± 0.1 V)	± 0.2 ppm Max.
Frequency Tolerance	at 25 ℃ after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
Slope of Frequency Drift		± 0.1 ppm / ℃ Typical ; ± 0.5 ppm / ℃ Max.
Storage Temperature Range		- 40 ~ + 85 ℃
Auto Frequency Control (AFC) Range *		± 7 ~ ± 16 ppm (1.4±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 ℃)		± 1 ppm / year Max.

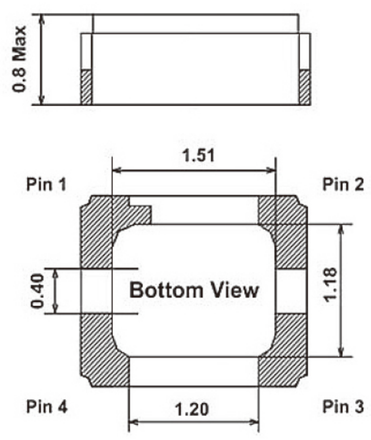
* AFC Range is selective and disable is acceptable.

Dimensions

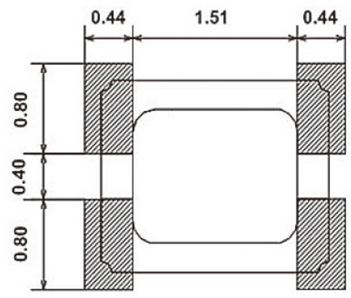


Pin Connection

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



Recommended Land Pattern



Units: mm