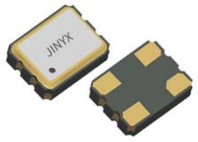
CRYSTAL OSCILLATOR

SERIES VV25 , SMD TEMPERATURE COMPENSATED QUARTZ CRYSTAL OSCILLATORS

Features

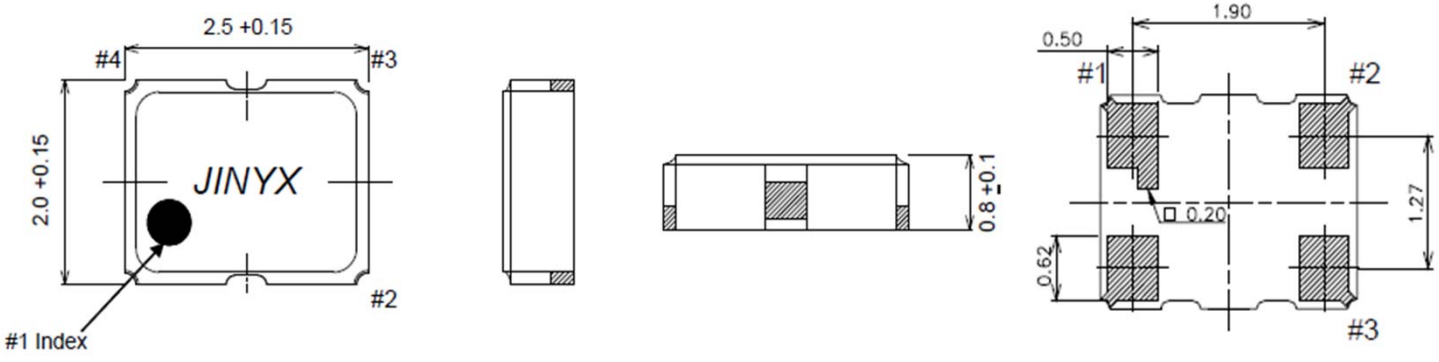
.Temperature Stability:± 0.5 ppm ~ ± 2.0 ppm.
. Operating Temperature Range: - 40 ~ 85 ℃.
.Supply Voltage: 1.8 V ~ 3.3 V.
.Voltage Control Function Available.
.Applications: GPS, WiMAX, Cellular and Wireless Communications.
.RoHS Compliant / Pb Free.



Electrical Specifications

Item / Type		VV25(VC-TCXO)
Output Type		Clipped Sinewave
Output Load		10KΩ // 10 pF (+/-10%)
Oscillation Mode		Fundamental
Supply Voltage		1.8 ~ 3.3 V (+/-0.5%)
Frequency Range		10 ~ 54 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p Min
Frequency Stability	Vs. Temperature (- 40 ~ + 85 ℃)	± 0.5 ppm
	Vs. Load (Load varies ± 10 %)	± 0.2 ppm Max.
	Vs. Supply Voltage (Vcc =1.8-3.3V+/-0.5)	± 0.2 ppm Max.
Frequency Tolerance	at 25℃ after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 0.5 ppm Max.
Slope of Frequency Drift		± 0.1 ppm / ℃ Typical ; ± 0.5 ppm / ℃ Max
Storage Temperature Range		- 40 ~ + 85℃
Auto Frequency Control (AFC) Range *		± 8 ~ ± 15ppm (Vcont=1.5V+/-1V)
Supply Current		1.5 mA Max
Start-up Time		2 ms Max
Aging (at 25 ℃)		±1 ppm / year Max

Dimensions



Pin Connections

Pin No.	Connection
#1	V_{CONT}
#2	GND
#3	Output
#4	V_{CC}

Units: mm