

ECS-TXO-20CSMV Clipped Sine Wave SMD TCXO MultiVolt™ capability of 1.7 ~ 3.6V. The 2.0 x 1.6 x 0.8 mm ceramic package uses Analog Compensation which is stability critical applications.

[Request a Sample](#)

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

ECS-TXO-20CSMV



- Clipped Sine Wave TCXO
- 2.0 x 1.6 mm Footprint
- MultiVolt™ (1.7 ~ 3.6V)
- PbFree/RoHS Compliant
- MSL 1
- Lead Finish Au
- Compatible with 1.8V, 2.5V or 3.3V Power Supply

Parameters	Conditions	ECS-TXO-20CSMV			Units
		MIN	TYP	MAX	
Frequency Range		10.000		52.000	MHz
Frequency Tolerance	@ +25°C ±2°C			±1.0	PPM
Frequency Stability	Vs. Temp (-30 ~ +85°C) AY Opt			±1.0	PPM
	Vs. Supply Change (±5%)			±0.1	PPM
	Vs. Load Change (±10%)			±0.1	PPM
	Vs. Aging 1 st Year			±1.0	PPM
Input Voltage	VDD	+1.7		+3.6	VDC
Current Consumption	10 ~ 26 MHz			1.5	mA
	26.1 ~ 52 MHz			2.0	mA
Output Level	Clipped Sine Wave	0.8			V p-p
Output Load		10KΩ//10 pF			
Start-up Time				2	mS
Phase Noise	@ 1 KHz Offset		-130		dBc/Hz
Operating Temperature	* Y Option	-30		+85	°C
Storage Temperature		-40		+85	°C

Part Numbering Guide: Example ECS-TXO-20CSMV-AC-260-AY-TR

ECS	-	Series	-	Frequency Abbreviations	-	Stability	-	Temperature	-	Packaging
ECS		TXO-20CSMV-AC = Clipped Sine Wave TCXO Analog Compensation		260 = 26.000 MHz		A= ±0.5 ppm B= ±1.0 ppm C= ±1.5 ppm D= ±2.0 ppm E= ±2.5 ppm		L= -10 ~ +70°C M= -20 ~ +70°C Y = -30 ~ +85°C N = -40 ~ +85°C		TR = Tape & Reel 3K/reel

Package Dimensions (mm)

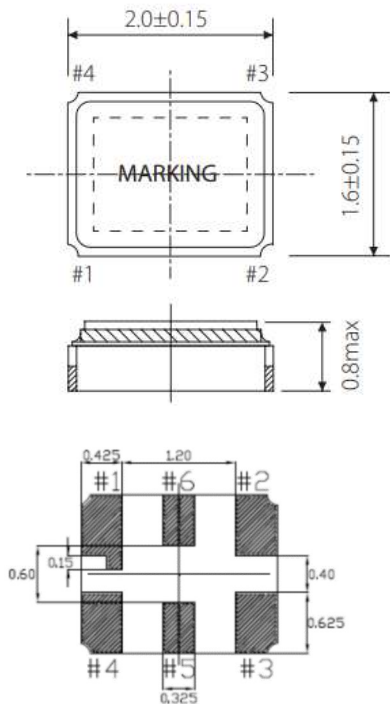


Figure 1) Top, Side, and Bottom views

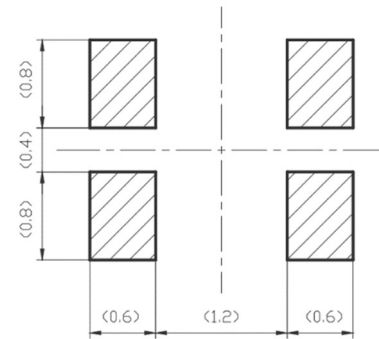
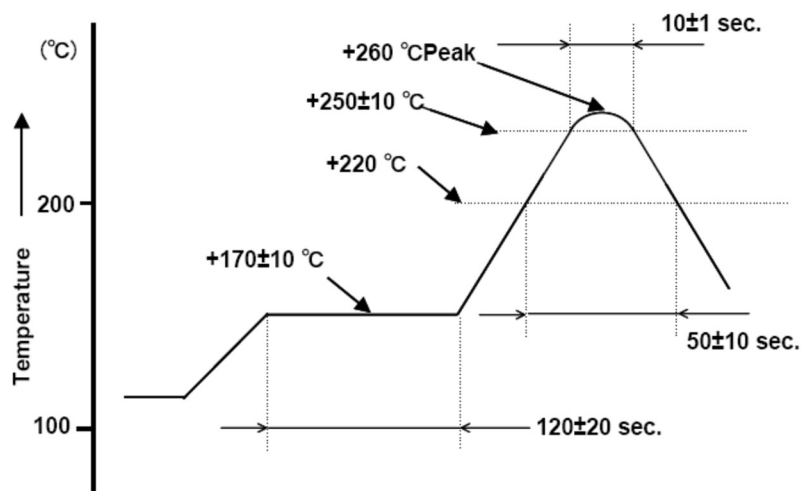


Figure 2) Land Pattern

Pin Connections	
#1	Ground
#2	Ground
#3	Output
#4	VDD
#5	No Connect
#6	No Connect

Developed Frequencies	
* Abbreviation	Frequency (MHz)
260	26.000



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