

ECS-TXO-20CSMV4

Clipped Sine Wave TCXO
MultiVolt™ Analog Compensation

ECS-TXO-20CSMV4 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-20CSMV4



- 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-20CSMV4			Units
		MIN	TYP	MAX	
Frequency Range		10.000		52.000	MHz
Frequency Tolerance	@ +25°C ±2°C			±1.0	PPM
Frequency Stability	Vs.Temp (-40 ~ +105°C) AP Opt			±0.5	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	@ 10 Hz Offset		-93		dBc/Hz
	@ 100 Hz Offset		-118		dBc/Hz
	@ 1 KHz Offset		-140		dBc/Hz
	@ 10 KHz Offset		-155		dBc/Hz
	@ 100 KHz Offset		-158		dBc/Hz
Operating Temperature	* P Option	-40		+105	°C
Storage Temperature		-40		+105	°C

Part Numbering Guide: Example ECS-TXO-20CSMV4-260-AP-TR

ECS	-	Series	-	Frequency Abbreviations	-	Stability	-	Temperature	-	Packaging
ECS		TXO-20CSMV4 = Clipped Sine Wave TCXO Analog Compensation, 4 pad		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 *P= -40 ~ +105°C		TR = 1K/Reel TR3= 3K/Reel

* Contact ECS for available frequencies.

Package Dimensions (mm)

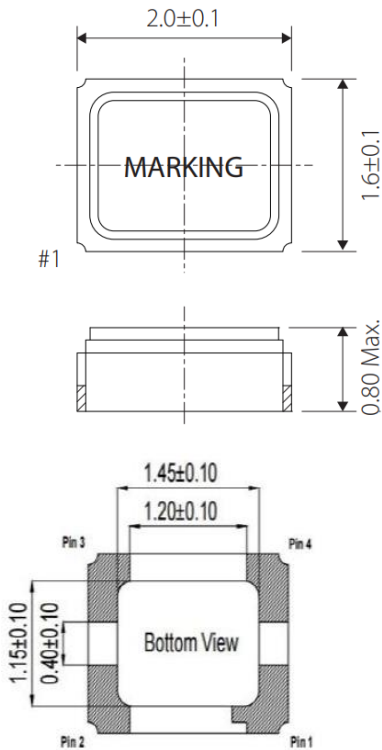


Figure 1) Top, Side, and Bottom views

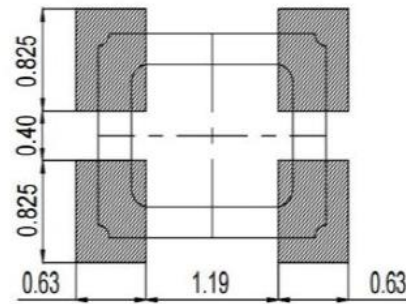
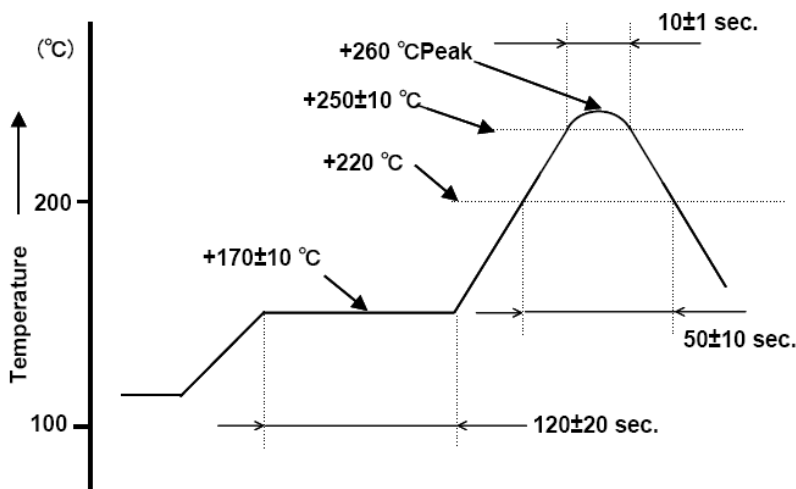


Figure 2) Land Pattern

Pin Connections	
#1	Ground
#2	Ground
#3	Output
#4	VDD

Developed Frequencies	
* Abbreviation	Frequency (MHz)
192	19.200
250	25.000
260	26.000
300	30.000
320	32.000
384	38.400
390	39.000
500	50.000
520	52.000



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ECS:](#)

[ECS-TXO-20CSMV4-260-AN-TR](#) [ECS-TXO-20CSMV4-320-AY-TR](#) [ECS-TXO-20CSMV4-384-AY-TR](#) [ECS-TXO-20CSMV4-390-CN-TR](#) [ECS-TXO-20CSMV4-192-AN-TR](#) [ECS-TXO-20CSMV4-250-AN-TR](#) [ECS-TXO-20CSMV4-500-AN-TR](#) [ECS-TXO-20CSMV4-520-AN-TR](#) [ECS-TXO-20CSMV4-300-AN-TR](#)