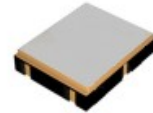


Features

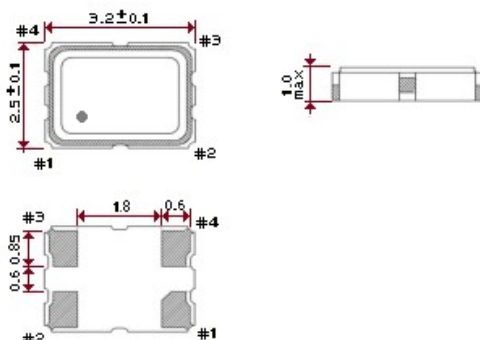
- SMD Ceramic Package
- Seam Sealing
- Dimensions (mm) : 3.0x2.5x1.0
- Clipped Sine Wave
- RoHS COMPLIANT & Pb-FREE



Specifications

Item		Conditions	Specifications	
Model		Function	TCXO	TCVCXO
		Part No.	TX-32A-L	TV-32A-L
Frequency Range			8.192 ~ 40 MHz	
Supply Voltage (Vdd)		input	1.8 ~ 3.3 V	
Current Consumption (Idd)		input	2 mA max	
Waveform		Logic	Clipped Sine Wave (DC coupled)	
		Level (peak to peak)	0.8 V p-p min	
Output Load (ZL)		operable ZL (RL // CL)	10K Ω // 10pF $\pm$ 10%	
Frequency Stability	Tolerance	@ 25 $\pm$ 3 $^{\circ}$ C	$\pm$ 1.0 ppm max	
	Drift	vs. Operating Temp.	$\pm$ 3.0 (std.) ~ $\pm$ 0.5 ppm max	
	Aging	per Year @ 25 $^{\circ}$ C	$\pm$ 1.0 ppm max	
	Voltage Change	@ Vdd $\pm$ 5% DC	$\pm$ 0.2 ppm max	
	Load Change	@ ZL $\pm$ 5%	$\pm$ 0.2 ppm max	
	after Reflow	@ 25 $^{\circ}$ C after 12hrs	$\pm$ 1.0 ppm max	
Operating Temperature Range (Operating Temp.)			-30 ~ 85 $^{\circ}$ C -40 ~ 85 $^{\circ}$ C (option)	
Storage Tempoerature Range			-55 ~ 125 $^{\circ}$ C	
Startup Time		Tolerance & Vpp level	5 ms max	
Frequency Convrol	Pullability			$\pm$ 5 ppm min
	Control Voltage (Vc)	Vdd=2.5~3.3V		1/2 Vdd $\pm$ 1.0V
		Vdd=1.8V		0.9 $\pm$ 0.6V
	Slope Polarity	Δ ppm / Δ Vc		Positive
	Linearity			$\pm$ 10% max
	Input Impedance			50 K Ω min
Phase Noise	@ offset frequency	@ 10 Hz	-90 dBc / Hz typical	
		@ 100 Hz	-110 dBc / Hz typical	
		@ 1 KHz	-130 dBc / Hz typical	
		@ 10 KHz	-150 dBc / Hz typical	

Outline



Pin Function

- # 1 Vc Voltage Control
(or N.C. for TCXO)
- # 2 GND
- # 3 OUTPUT
- # 4 Vdd Supply Voltage

IR reflow soldering temperature

