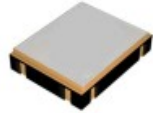


Features

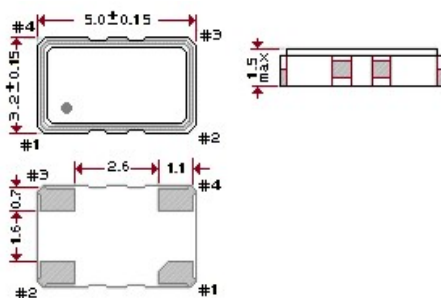
- SMD Ceramic Package
- Seam Sealing
- Dimensions (mm) : 5.0x3.2x1.5
- Clipped Sine Wave
- RoHS COMPLIANT & Pb-FREE



Specifications

Item		Conditions	Specifications	
Model		Function	TCXO	TCVCXO
		Part No.	TX-53A-L	TV-53A-L
Frequency Range			6.4 ~ 40 MHz	
Supply Voltage (Vdd)		input	2.5 ~ 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)	10KΩ // 10pF ± 10%	
Frequency Stability	Tolerance	@ 25±3 °C	± 1.5 ppm max	
	Drift	vs. Operating Temp.	± 3.0 ppm max	
	Aging	per Year @ 25 °C	± 1.0 ppm max	
	Voltage Change	@ Vdd ± 5% DC	± 0.2 ppm max	
	Load Change	@ ZL ± 5%	± 0.2 ppm max	
	after Reflow	@ 25 °C after 12hrs	± 1.0 ppm max	
Operating Temperature Range (Operating Temp.)			-30 ~ 85 °C -40 ~ 85 °C (option)	
Storage Tempoerature Range			-55 ~ 125 °C	
Startup Time		Tolerance & Vpp level	5 ms max	
Frequency Convrol	Pullability			± 5 ppm min
	Control Voltage (Vc)			1/2 Vdd ± 1.0V
	Slope Polarity	Δppm / ΔVc		Positive
	Linearity			± 10% max
	Input Impedance			50 KΩ 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

