



SPECIFICATION FOR RoHS 6 COMPLIANT SMT VCTCXO MtronPTI P/N: M6054S018

Electrical Specifications:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Frequency of Operation	Fo		50.000000		MHz	
			Frequency Sta	ability		
Initial Tolerance	ΔFτ/F	-1.0		+1.0	ppm	@ +25 °C before reflow soldering, Vc = 1.65
Initial Tolerance	ΔF _T /F	-2.0		+2.0	ppm	@ +25 °C after two reflow soldering profiles, Vc = 1.65
vs Temperature	$\Delta F_T/F$	-2.0		+2.0	ppm	deviation over temperature
Aging		-2.0		+2.0	ppm	first year
Aging		-5.0		+5.0	ppm	10 years, including first year
Frequency vs. Supply Voltage				±0.2	ppm	For ±5% change in supply V
Frequency vs. Output Load				±0.2	ppm	For ±5% change in output load
			Output			
Output Type		C	lipped Sine Wa	ive		
Output Load			10 kΩ // 10 pF			
Output Amplitude		0.8			V _{pk-pk}	
Startup Time	tsu			2	ms	
			requency Adju			
Tuning Voltage		0.30	1.65	3.00		Pad 1
Tuning Range		±12			ppm	Referenced to frequency with $Vc = 1.65$
		Ac	Iditional Speci	fications		
Phase Noise			TBD		dBc/Hz	@ 10 Hz
						@ 100 Hz
						@ 1 kHz
						@ 10 kHz
						@ 100 kHz
						@ 1 MHz
			pply Voltage 8			
Operating Voltage	Vdd	3.135	3.3	3.465	V	
Operating Current	IDD			3	mA	

Environmental Conditions:

Operating Temperature	TA	-40		+85	°C	
Storage Temperature	Ts	-55		+125	°C	
Mechanical Shock	Per MIL-STD-202, Method 213, Condition C (100 g, 6 ms duration, ½ sine wave)					
Vibration	Per MIL-STD-202, Method 201 & 204 (10 g from 10 Hz to 2000 Hz)					
Solderability	Per EIAJ-STD-002					
Max. Soldering Conditions	See solder profile, Figure 1					
Package Type	5.0 x 3.2 x 1.65 mm, Ceramic Leadless Chip Carrier. RoHS Compliant					

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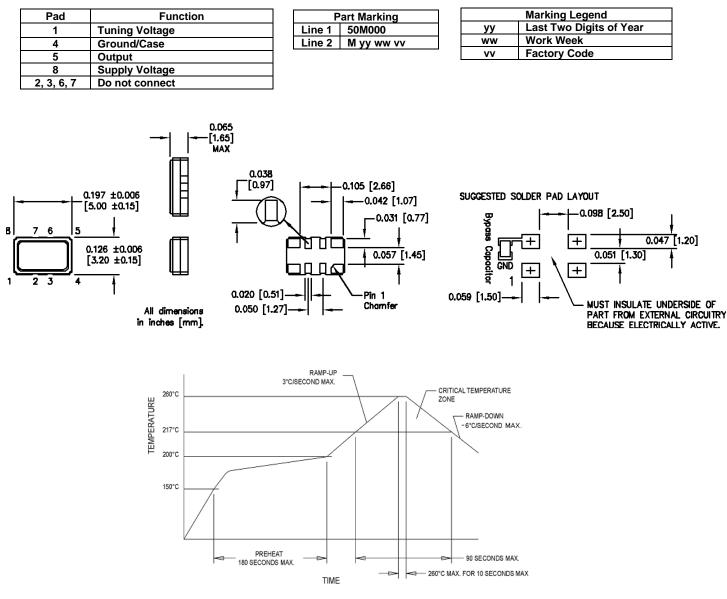
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Mechanical, Marking and Layout Information:





Data Sheet Revision Table:

Date	Rev.	Author	Details of Revision
07/15/16	0	DCO	Original Release

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