

SPECIFICATION FOR SMT TCXO

MtronPTI P/N M6164S003

Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Frequency of Operation	F _o		20.000000		MHz	
Frequency Tolerance		-1.0		+ 1.0	ppm	@ +25°C
Frequency Stability	ΔF/F	-5.0		+5.0	ppm	Includes deviation over temperature, aging for 15 years, shock, vibration, load, and supply changes.
Frequency Vs. Supply			± 0.02	± 0.1	ppm	For 5% supply variation
Frequency Vs. Load			± 0.02	± 0.1	ppm	For 5% load variation
Operating Temperature	T _A	-40		+85	°C	
Operating Voltage	V _S	3.135	3.3	3.465	V	
Operating Current	I _S			3.5	mA	
Output Type		Clipped Sine Wave				
Output Load			10 10		KΩ/pF	± 5%
Output Voltage Level	V _{OUT}	1.0			V _{p-p}	
Phase Noise			-94		dBc/Hz	@ 10 Hz
			-124		dBc/Hz	@ 100 Hz
			-145		dBc/Hz	@ 1 kHz
			-154		dBc/Hz	@ 10 kHz
			-156		dBc/Hz	@ 100 kHz

Environmental & Mechanical Requirements:

Shock	Actual conditions TBD (10,000 g's)
Vibration	Per MIL-STD-202, Methods 201 & 204
Storage Temperature	-55°C to +125°C
Solderability	Per EIAJ-STD-002
Max. Soldering Conditions	See Figure 1.
Package Type	5.0 X 7.0 X 1.8 mm, 10-pad leadless ceramic. RoHS compliant.

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Dimensions & Pin Out Information:

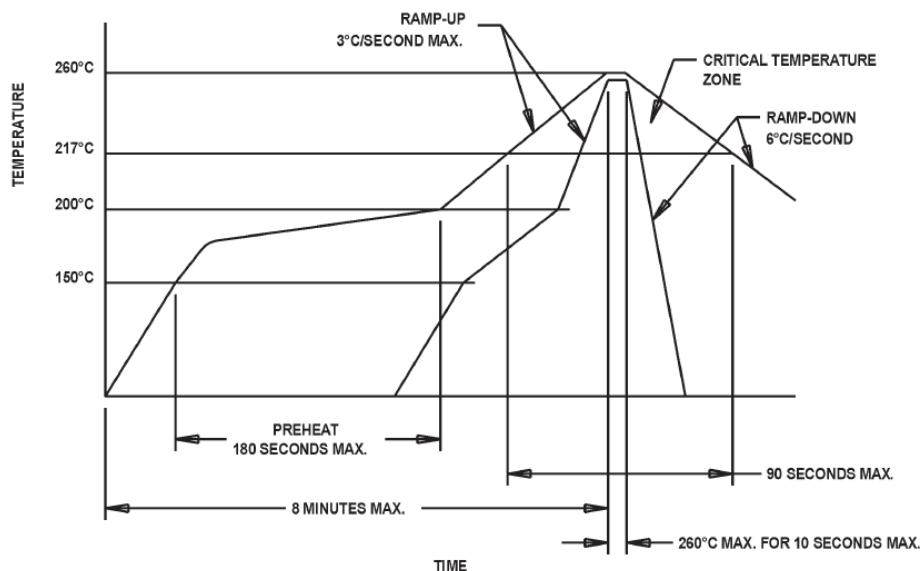
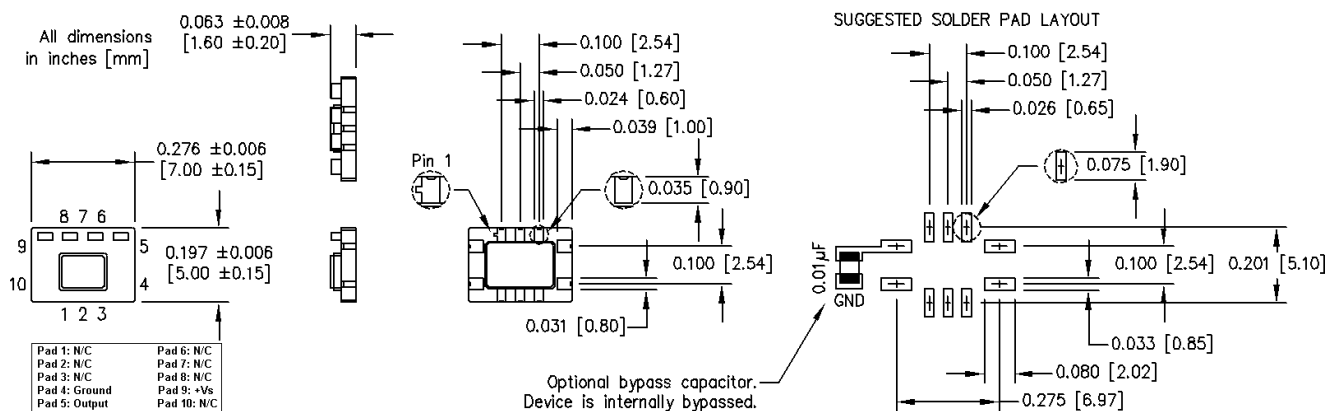


Figure 1

DATA SHEET REVISION TABLE:

Date	Rev.	Author	Details of Revision
11/30/11	0	MM	Original release.