



SPECIFICATION FOR SMT TCXO MtronPTI P/N M6053S020

Electrical Specifications:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Frequency of Operation	Fo		25.000000		MHz	
			Frequenc	y Stability		
Frequency Tolerance		-1.0		+1.0	ppm	@ +25°C.
		-1.5		+1.5		@ +25°C after 2 reflow profiles (+260C max, 10 seconds)
Frequency Stability	$\Delta F/F$	-2.5		+2.5	ppm	Over Operating Temperature,
Frequency Vs. Supply	$\Delta F_{VDD}/F$	-0.3		+0.3	ppm	For ±5% voltage change
Frequency Vs. Output Load	$\Delta F_{LOAD}/F$	-0.2		+0.2	ppm	For ±10% load change
			Ou	tput		
Output Type	CMOS Compatible					
Output Load			15		pF	
Symmetry (duty cycle)	T _{DC}	40	50	60	%	@ 50% of V _{DD}
Logic "1" Level	V _{OH}	80			% V _{DD}	CMOS load
Logic "0" Level	V _{OL}			0.5	V	CMOS load
Rise/Fall Time	T _R /T _F			5	ns	From 10% to 90% V _{DD}
Startup Time	Τ _{SU}			10	ms	
		Supp	ly Voltage & F	Power Consu	mption	
Operating Voltage	V _{DD}	3.135	3.30	3.465	V	
Operating Current	I _{DD}			6.0	mA	

Environmental Conditions:

Operating Temperature	TA	-30		+85	°C	
Storage Temperature	Ts	-55		+105	°C	
Mechanical Shock	Per MIL-STD-202, Method 213 (2000 g, 0.3 ms duration, 1/2 sine wave)					
Vibration	Per MIL-STD-202, Method 201 & 204 (10 g's from 10-2000 Hz)					
Hermeticity	Per MIL-STD-202, Method 112 (1x10-8 atm.cc/s of helium) (Crystal unit only)					
Solderability	Per EIAJ-STD-002					
Max. Soldering Conditions	See solder profile, Figure 1					
Package Type	5.0 x 3.2 x 1.5 mm, Ceramic Leadless Chip Carrier (M6053 Series)					





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Mechanical, Marking and Layout Information:

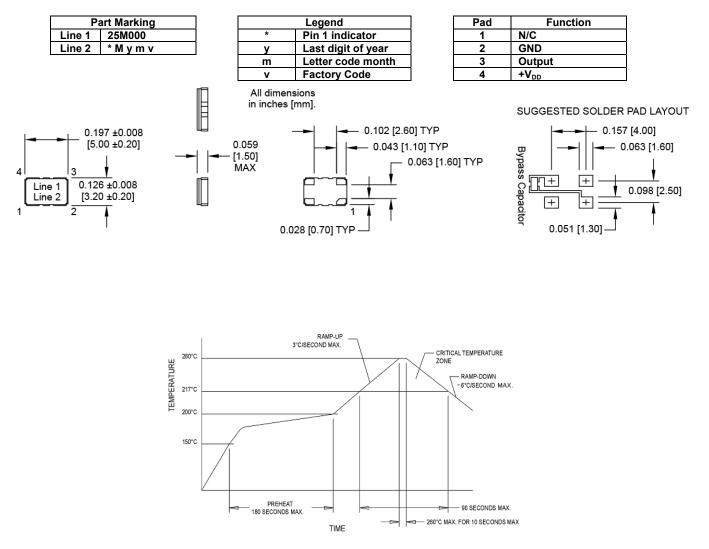


Figure 1

Datasheet Revision Table:

Date	Rev.	Author	Details of Revision
06/08/16	0	MM	Original Release.