



SPECIFICATION FOR RoHS 6 COMPLIANT HCMOS SMT OSCILLATOR MtronPTI P/N M2002S785

I. General & Electrical Specifications:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Frequency of Operation	Fo		50.000000		MHz	
		I	Frequency St	ability		
Frequency Stability	∆F/F	-50		+50	ppm	Includes initial accuracy @ +25°C, deviation over temperature, supply voltage variation, load variation, shock and vibration.
Aging		-75		+75	ppm	20 years
			RF Outpu	ıt		
Output Type		HCMOS/TTL Compatible				
Output Load				50	pF	
Symmetry (duty cycle)	T _{DC}	40		60	%	Ref to 1/2 VDD
Logic "1" Level	Vон	2.8			V	HCMOS load
Logic "0" Level	Vol			0.4	V	HCMOS load
Rise/Fall Time	T _R /T _F			6	nS	Ref. to 0.4 V to 2.8 V
Start-Up Time				10	mS	
Triatata Lagia	Logic "1" or Open				V	Pad 1: Output Enabled
Tristate Logic	Logic "0"				V	Pad 1: Output Disabled to high-Z
		Supply Vo	ltage & Powe	er Consu	mption	
Operating Voltage	V _{DD}	2.97	3.3	3.63	V	
Operating Current	IDD			25	mA	

II. Environmental & Mechanical Requirements:

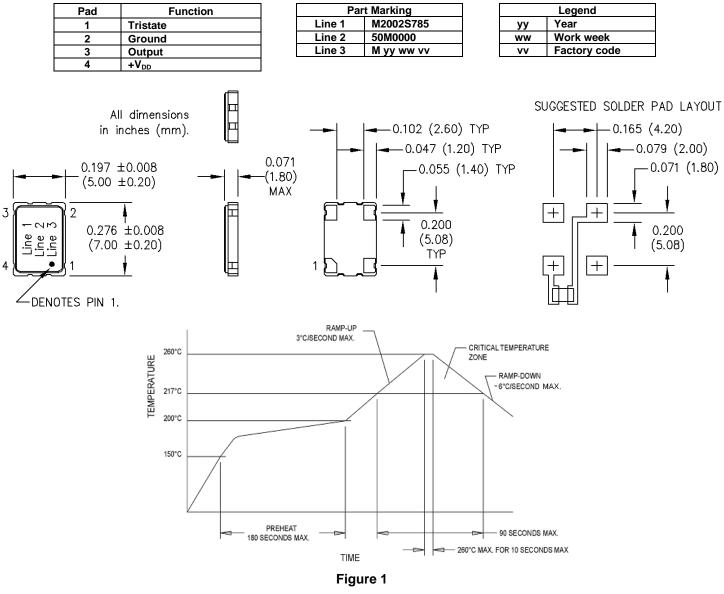
Operating Temperature	TA	-40		+85	°C		
Storage Temperature	Ts	-55		+125	С°		
Mechanical Shock	Per MIL-STD-202, Method 213, Condition I						
Vibration	Per MIL-STD-202, Method 202 & 204 Condition C						
Thermal Shock	Per MIL-STD-202, Method 207, Condition B-1						
Seal	Per MIL-STD-202, Method 112, Condition C.						
Hermeticity	Per MIL-STD-202, Method 112, Condition C & D.						
Resistance to Solvents	Per MIL-STD-202, Method 215.						
Max. Soldering Conditions	See solder profile, Figure 1						
Solderability	Per MIL-STD-202, Method 208.						
Package Type	4-pad 5 X 7 X 1.8 mm leadless ceramic.						





SPECIFICATION FOR RoHS 6 COMPLIANT HCMOS SMT OSCILLATOR MtronPTI P/N M2002S785

III. Dimensions, Marking, and Pin Out Information:



IV. Datasheet Revision Table:

	Date	Rev.	Author	Details of Revision		
ĺ	3/31/08	0	WNJ	Original release.		
	02/09/15	А	MM	Updated datasheet format.		
	02/06/19	В	MM	Updated device height.		