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SPECIFICATION FOR 1.8 V HCMOS COMPATIBLE SMT OSCILLATOR
MtronPTI P/N M2532S068

Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Frequency of Operation	F_O		26.000000		MHz	
Initial Frequency Stability	ΔF/F	-25		+25	ppm	Calibration & deviation over temperature at time of shipment.
Overall Frequency Stability		-50		+50		Calibration, deviation over temperature, shock, vibration, supply voltage, and aging for 10 yrs.
Operating Temperature	T_A	-30		+70	°C	
Storage Temperature	T_S	-55		+70	°C	
Aging		-3		+3	ppm	1st year
		-1		+1	ppm	Thereafter (per year)
Operating Voltage	V_{DD}	1.62	1.8	1.98	V	
Operating Current	I_{DD}			5	mA	
Output Type		HCMOS Compatible				
Output Load				15	pF	
Symmetry (duty cycle)	T_{DC}	45		55	%	Ref to ½ V_{DD}
Logic "1" Level	V_{OH}	90% V_{DD}			V	HCMOS load
Logic "0" Level	V_{OL}			10% V_{DD}	V	HCMOS load
Rise/Fall Time	T_R/T_F			5	ns	From 10% to 90% Vdd with a 15 pF load
Random Jitter	R_J		4	10	ps	1-Sigma
Start-up Time	T_{SU}			5.0	ms	
Tri-State Function		Logic "1" enables output. Logic "0" disables output to a high-Z state.				Pad 1

Environmental & Mechanical Requirements:

Mechanical Shock	Per MIL-STD-202, Method 213, Condition C (100 g's, 6 ms duration, ½ sinewave)
Vibration	Per MIL-STD-202, Method 201 & 204 (10 g's from 10-2000 Hz)
Thermal Cycle	Per MIL-STD-883, Method 1010, B (-55°C to 125°C, 15 min. dwell, 10 cycles)
Hermeticity	Per MIL-STD-202, Method 112 (1 x 10^{-8} atm cc/s of Helium)
Solderability	Per EIAJ-STD-002
Max. Soldering Conditions	See solder profile, Figure 1
Package Type	4-pad 2.5 X 3.2 X 1.1 mm leadless ceramic.

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Dimensions, Marking and Pin Out Information:

Pad	Function
1	Tri-State Function
2	Ground
3	Output
4	$+V_{DD}$

Part Marking	
Line 1	26M
Line 2	M (yw)

Legend	
y	Year
w	Work week

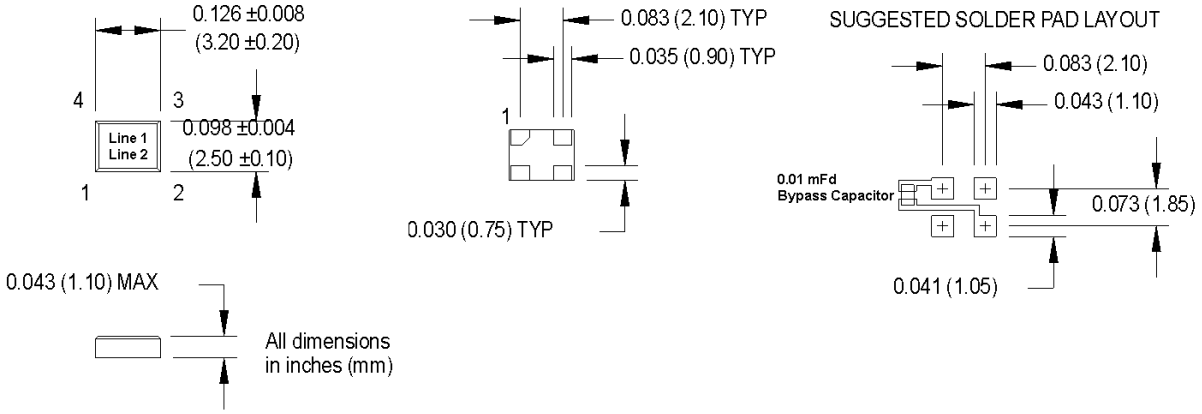
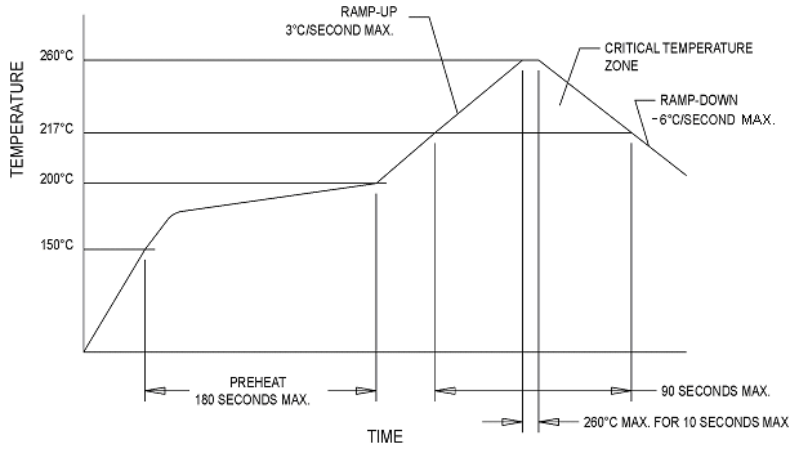


Figure 1



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