





Electrical Specifications:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Frequency of Operation	Fo		84.000000		MHz	
		Fre	equency Stat	oility		
vs Temperature	∆F/F	-25		+25		Includes initial tolerance @ +25°C, deviation over operating temperature.
vs. Aging		-5		+5	nnm	1 st year
		-1		+1	ppm	Per year thereafter.
			RF Output			
Output Type		LV	PECL Compat	ible		
Output Load			50 Ω (V _{CC} - 2)			
Symmetry (duty cycle)	T _{DC}	45		55	%	Ref. to V _{CC} - 1.3 V
Output Logic	V _{OH}	V _{CC} - 1.02			V	Logic Level "1"
	Vol			V _{CC} - 1.63	V	Logic Level "0"
Rise/Fall Time	T _R /T _F			0.6	nS	From 20% to 80% of Waveform
Enable/Disable Logic				0.5 or N/C	V	Pin 2: Output Enabled
		80% Vcc			V	Pin 2: Output to high-Z
	9	Supply Volta	age & Power	Consumptio	on	
Operating Voltage	Vcc	3.135	3.3	3.465	V	
Operating Current	Icc			125	mA	
		C	ther Paramete	ers		
Phase Jitter (RMS)	ΦJ			1.0	ps	12KHz to 20MHz

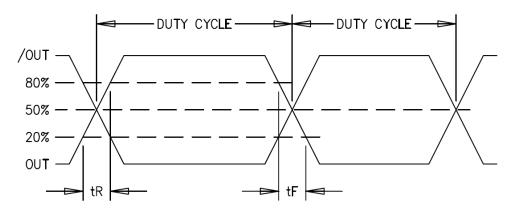
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Output Waveform:



Environmental Conditions:

Parameter	Symbol	Min.	Тур.	Max.	Units	Conditions
Operating Temperature	TA	-40		+85	С°	
Storage Temperature	Ts	-55		+125	С°	
Shock	Per MIL-STD-202, Method 213, Condition C (100 g's, 6 ms duration, ¹ / ₂ sinewave)					
Vibration	Per MIL-S	TD-202, M	ethod 201 &	204 (10 g's f	rom 10-20	00 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)				ım)	
Hermeticity	Per MIL-STD-202, Method 112 (1 x 10 ⁻⁸ atm cc/s of helium)					
Moisture Sensitivity Level (MSL)	MSL 1					
Solderability	Per EIAJ-	STD-002				
Max. Soldering Conditions	See Figure	e 1.				
Package Type	9.0 X 14.0	X 4.7 mm	4 J-lead cer	amic. RoHS o	compliant.	

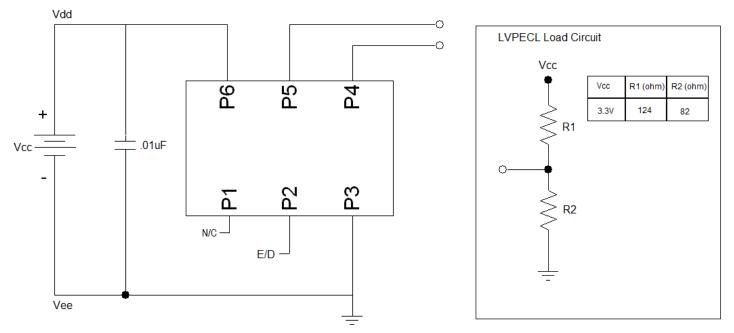
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Typical Test Circuit & Load Circuit Diagrams:



Soldering Conditions:

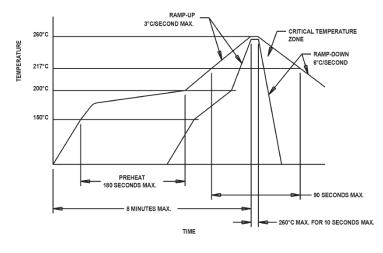


Figure 1

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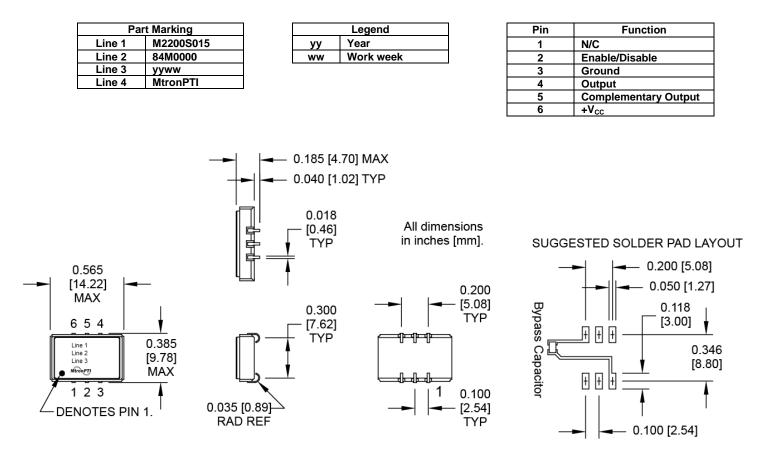
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Mechanical, Marking, and Pin Out Information:



Datasheet Revision Table:

Date	Rev.	Author	Details of Revision			
03/16/17	0	MM	Original release.			
11/09/17	Α	MM	Updated stability specification.			
11/18/20	В	MM	Updated part marking			