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SPECIFICATION FOR 14- PIN DIP COMPATIBLE OSCILLATOR MtronPTI P/N M2014S151

Electrical Specifications:

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions/Notes
Frequency of Operation	F _o		0.032768		MHz	
Frequency Stability						
Frequency Stability	ΔF/F	-100		+100	ppm	Includes initial calibration tolerance, stability over operating temperature and aging.
RF Output						
Output Type		HCMOS/TTL Compatible				
Output Load				50	pF	
Symmetry (duty cycle)	T _{DC}	45		55	%	Ref. to ½ V _{dd}
Logic "1" Level	V _{OH}	90% V _{dd}			V	
Logic "0" Level	V _{OL}			10% V _{dd}	V	
Rise/Fall Time	T _R /T _F			20	nS	From 10% to 90% V _{DD}
Start-Up Time	T _{SU}			10	mS	
Supply Voltage & Power Consumption						
Operating Voltage	V _{dd}	4.5	5.0	5.5	V	
Operating Current	I _{dd}			15	mA	

Environmental Conditions:

Operating Temperature	T _A	-55		+125	°C	
Storage Temperature	T _S	-55		+125	°C	
Mechanical Shock	MIL-STD-202, Method 213, C (100 g's)					
Vibration	MIL-STD-202, Method 201 & 204 (10 g's from 10-2000 Hz)					
Thermal Cycle	MIL-STD-883, Method 1010, B (-55°C to +125°C, 15 min dwell, 10 cycles)					
Hermeticity	MIL-STD-202, Method 112					
Solderability	Per EIAJ-STD-002					
Max. Wave Soldering Conditions	+260°C for 10 secs.					
Package Type	14-Pin DIP compatible resistance weld. RoHS compliant.					

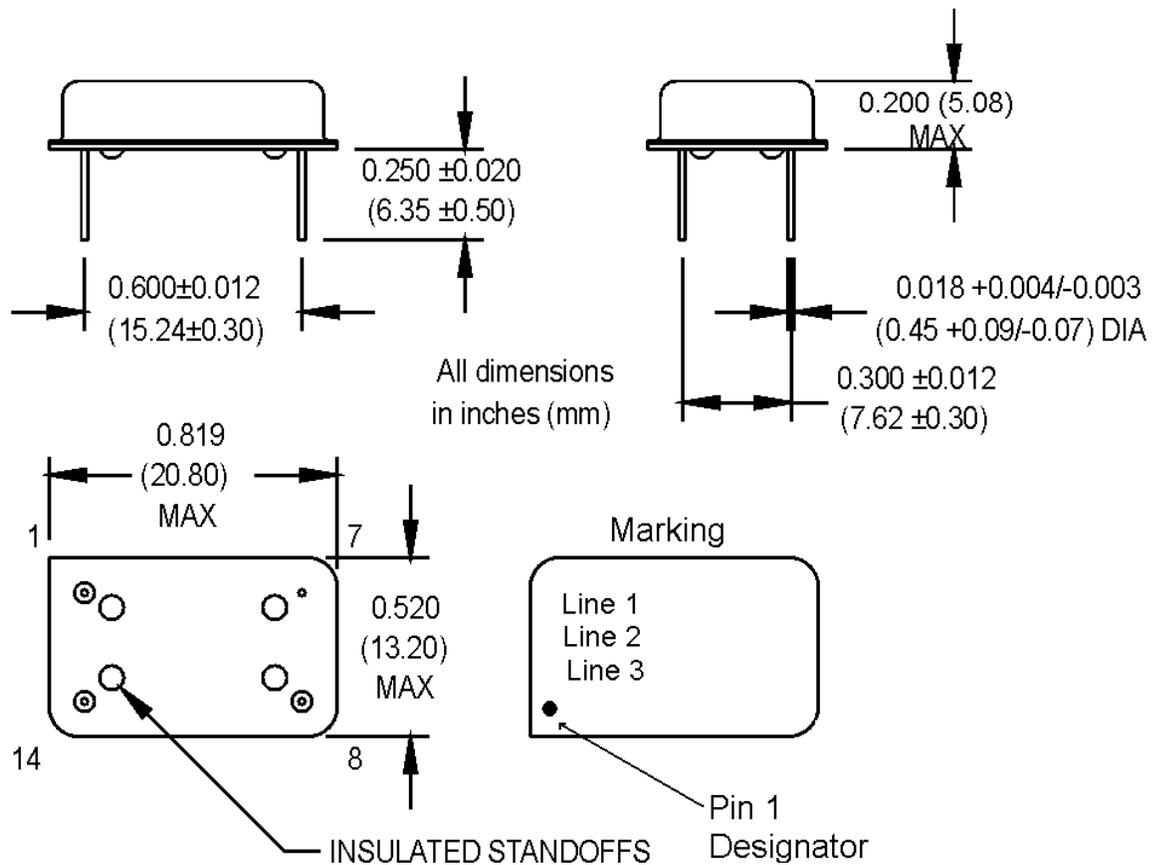
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Dimensions, Marking, and Pin Out Information:

Pad	Function
1	No Connect
2	Ground / Case
3	Output
4	+V _{DD}

Part Marking	
Line 1	M2014S151
Line 2	32.768 KHz
Line 3	M yyww

Legend	
yy	Year
ww	Work Week



Datasheet Revision Table:

Date	Rev.	Author	Details of Revision
06/28/17	0	MM	Original release.