

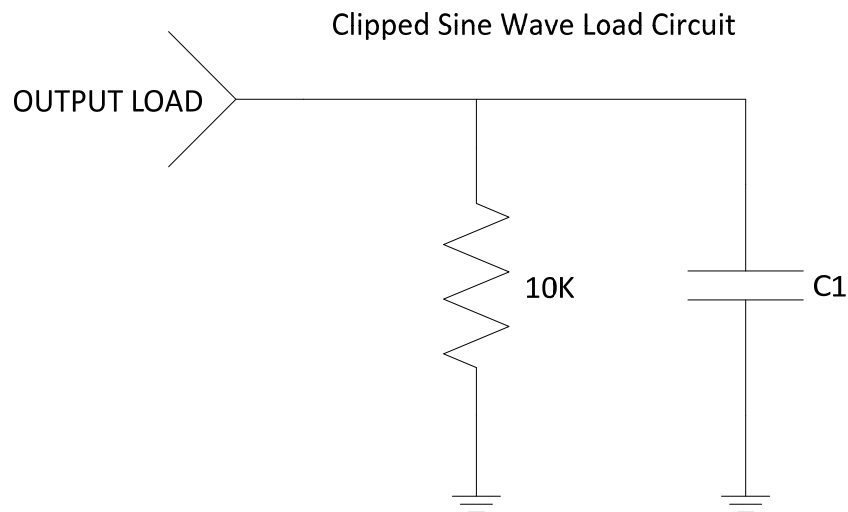
ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Min.	Typ.	Max.	Units	Conditions
Frequency	F ₀	32.000000			MHz	
Frequency Stabilities						
Initial Accuracy		-2.0		+2.0	ppm	@ +25°C ±2°C , after two reflow soldering profiles
vs. Operating Temperature	ΔF/F	-0.5		+0.5	ppm	Based on frequency @ +25°C ±2°C
vs. Supply Voltage		-0.2		+0.2	ppm	5% voltage variation
vs. Load		-0.2		+0.2	ppm	10% load variation
vs. Aging		-1.0		+1.0	ppm	Per year, @ +25°C ± 2°C
RF Output						
Output Type		Clipped Sine Wave				
Load Level	V _O P/P	0.8			V	
Output Load				10K 10pF		
DC-cut Capacitor						External DC-cut output capacitor (0.001μF) required.
Temperature						
Operating Temperature	T _A	-30		+85	°C	
Storage Temperature	T _S	-40		+105	°C	
Operating Voltage and Current						
Operating Voltage	V _{CC}	3.135	3.30	3.465	V	
Operating Current	I _{CC}			1.7	mA	

ENVIRONMENTAL CONDITIONS

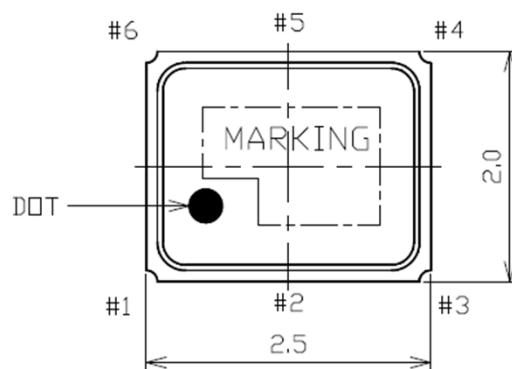
Shock	Half sine wave 6ms, 980 m/s ² . 3 times for each 3 planes.
Vibration	5 to 26Hz: 1.52mm (total amplitude) 26 to 500Hz: 19.6 m/s ² 20 minutes per 1 cycle 2 hours for each 3 planes.
Drop Test	Drop freely on the concrete from the height of 150cm With jig(150g). 3 times for each 6 planes.
Humidity	+60C, 95C, 95% RH for 48H And normal temperature, with normal humidity for 24hrs.
MSL	3

LOAD CIRCUIT DIAGRAMS

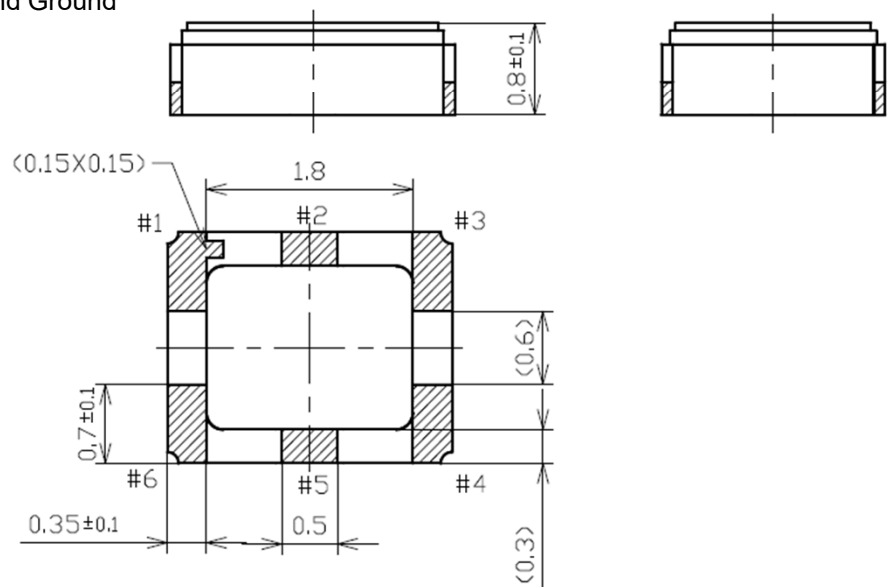


MECHANICAL AND PIN OUT INFORMATION

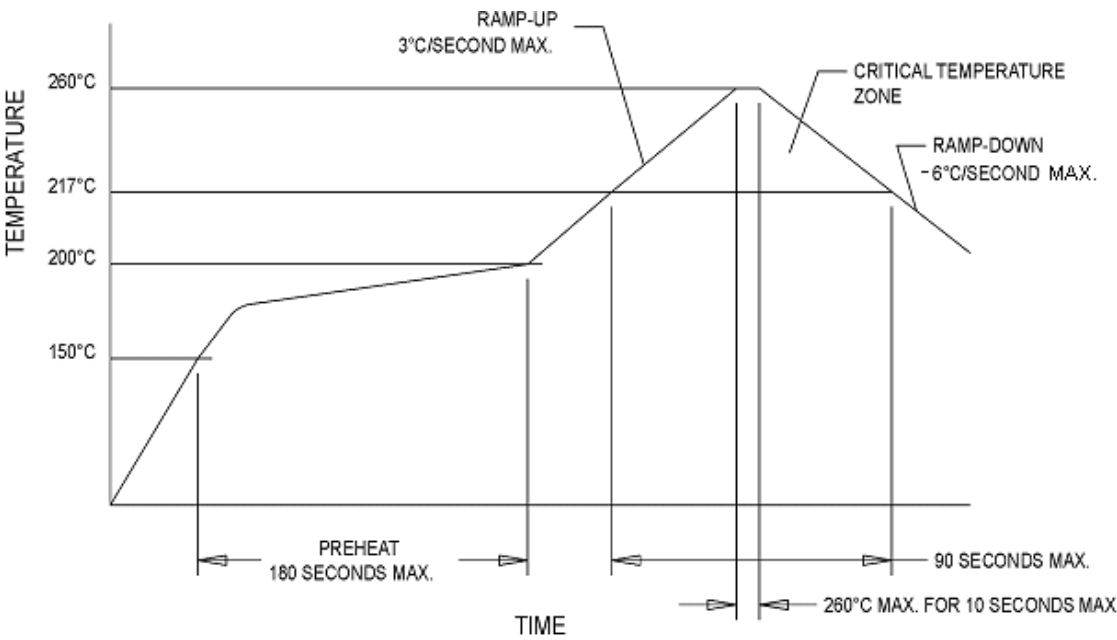
Pad	Function
1	Ground or N/C
2	N/C
3	Ground
4	Output
5	N/C
6	Supply Vcc+



A capacitor value of $0.01\mu\text{F}$ to $0.1\mu\text{F}$ should be placed as close as possible to this device, between +VCC and Ground



LEAD FREE SOLDER PROFILE



Data Sheet Revision Table

Date	Rev	Author	Details of Revision
9/07/21	A	MM	Original Release
9/14/21	B	MM	Updated supply voltage.

MtronPTI reserves the right to make changes to the product(s) and service(s) described herein without notice.
No liability is assumed as a result of their use or application.