

R1210-48.000-8-F-1015-EXT-TR

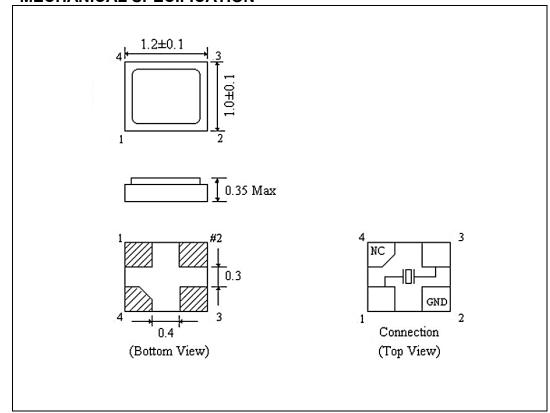
SPECIFICATIONS

PARAMETER	VALUE	
NOMINAL FREQUENCY	48.000 MHz	
MODE OF OSCILLATION	Fundamental	
FREQUENCY TOLERANCE AT 25°C	±10 ppm max	
FREQUENCY STABILITY OVER TEMPERATURE	-30°C to +85°C	±15 ppm max
	-40°C to -30°C	±20 ppm max
OPERATING TEMPERATURE RANGE	-40°C to +85°C	
STORAGE TEMPERATURE RANGE	-40°C to +85°C	
AGING	±2 ppm 1st year max	
LOAD CAPACITANCE	8 pF	
EQUIVALENT SERIES RESISTANCE	100 Ω max	
SHUNT CAPACITANCE	3.0 pF max	
DRIVE LEVEL	50 μW max	
INSULATION RESISTANCE	500 MΩ min	



Photo is not actual part

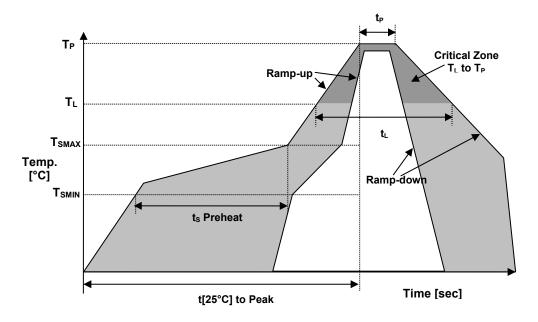
MECHANICAL SPECIFICATION





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REFLOW PROFILE



Reflow profile			
Temperature Min Preheat	T _{SMIN}	150°C	
Temperature Max Preheat	T _{SMAX}	200°C	
Time (T _{SMIN} to T _{SMAX})	t _s	60-180 sec.	
Temperature	TL	217°C	
Peak Temperature	T _P	260°C	
Ramp-up rate	R _{UP}	3°C/sec max.	
Ramp-down rate	R _{DOWN}	6°C/sec max.	
Time within 5°C of Peak Temperature	t _P	10 sec.	
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.	
Time	tL	60-150 sec.	

ENVIRONMENTAL

PARAMETER	VALUE	
MOISTURE SENSITIVITY LEVEL	1	
RoHS	Compliant	
REACH SVHC	Compliant	
HALOGEN-FREE	Compliant	
ESD CLASSIFICATION LEVEL	N/A	
TERMINATION FINISH	Au	





SURFACE MOUNT CRYSTAL

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APPROVAL

DRAWN BY	CP, July 12, 2019
APPROVED BY	JI, July 12, 2019
REVISION	A, Initial Release

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