

R1210-48.000-5-F-0720-TR

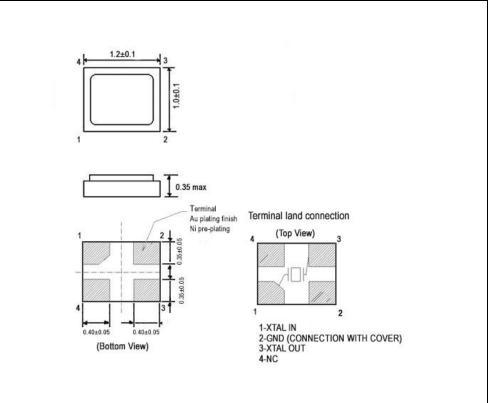
• SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	48.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±7 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±20 ppm max
OPERATING TEMPERATURE RANGE	-10°C to +60°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C
AGING	±2 ppm first year max
LOAD CAPACITANCE	5 pF
EQUIVALENT SERIES RESISTANCE	100 Ω max
SHUNT CAPACITANCE	3 pF max
DRIVE LEVEL	50 μW max
REFLOW CONDITIONS	260°C for 10 sec max



Photo is not actual part

MECHANICAL SPECIFICATION

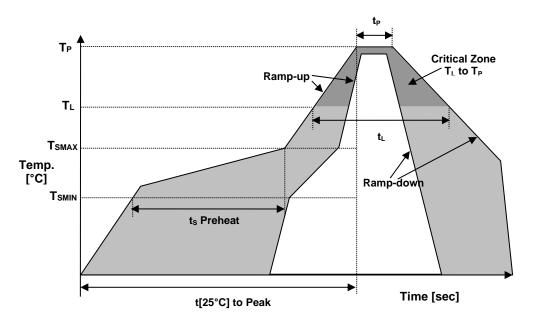




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REFLOW PROFILE



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	Rup	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



APPROVAL

DRAWN BY	KJackson, September 28, 2020
APPROVED BY	Jlvens, September 28, 2020
REVISION	A, Initial Release

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