● **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**

1.2±0.1
1.0±0.1
0.35 max

Terminal
Au plating finish
Ni pre-plating

0.35±0.05
0.35±0.05
0.40±0.05   0.40±0.05
(Bottom View)

Terminal land connection
(Top View)

1-XTAL IN
2-GND (CONNECTION WITH COVER)
3-XTAL OUT
4-NC
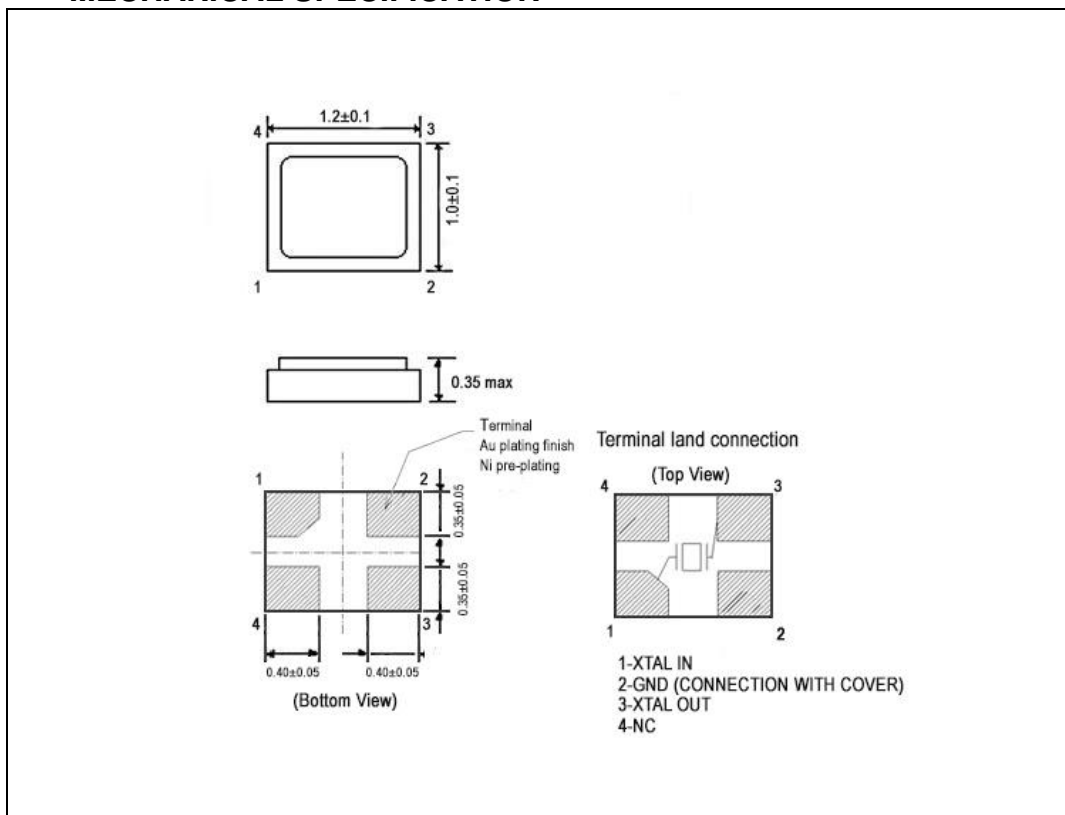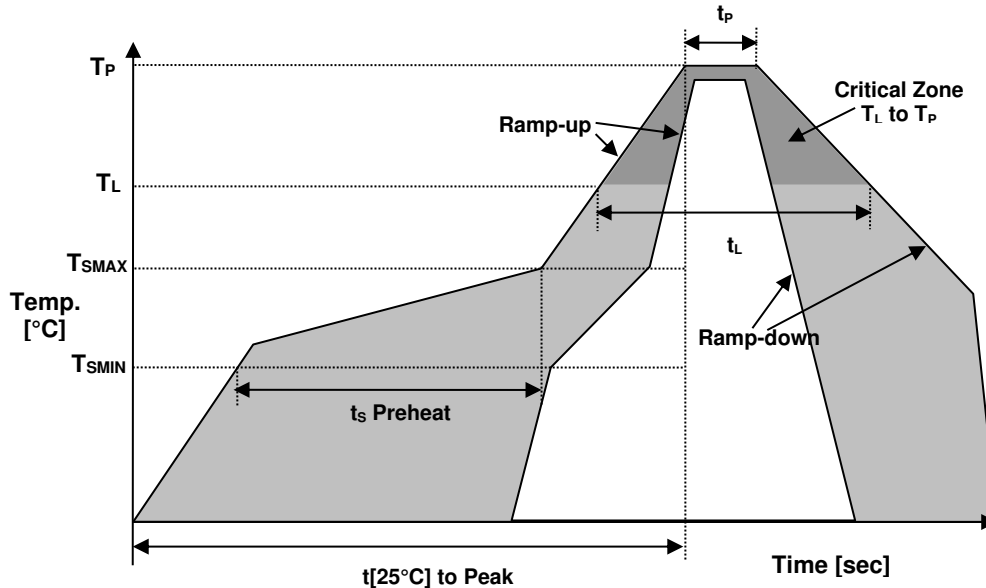
- ## REFLOW PROFILE

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	T_L	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	t_L	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	JIvens, September 28, 2020
REVISION	A, Initial Release