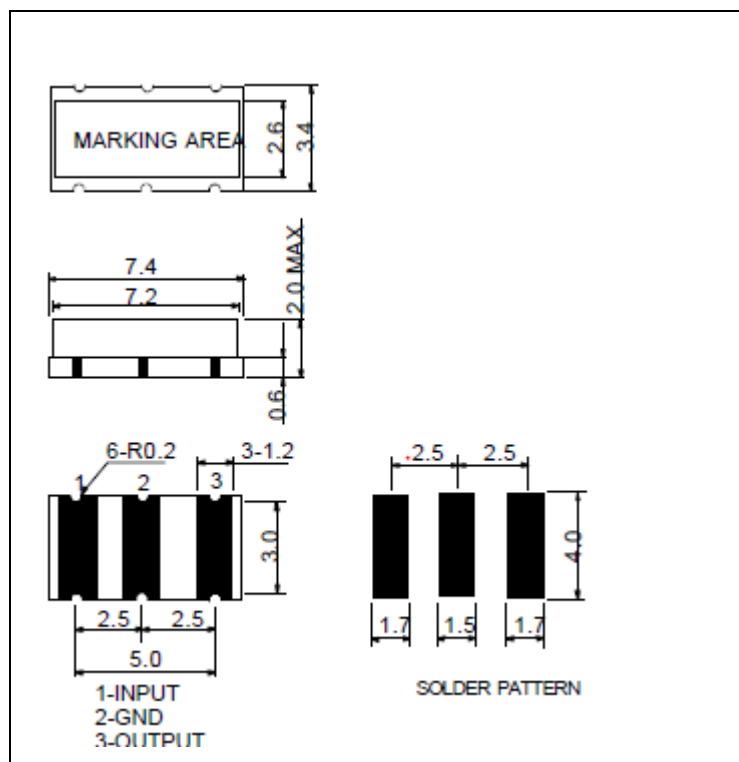


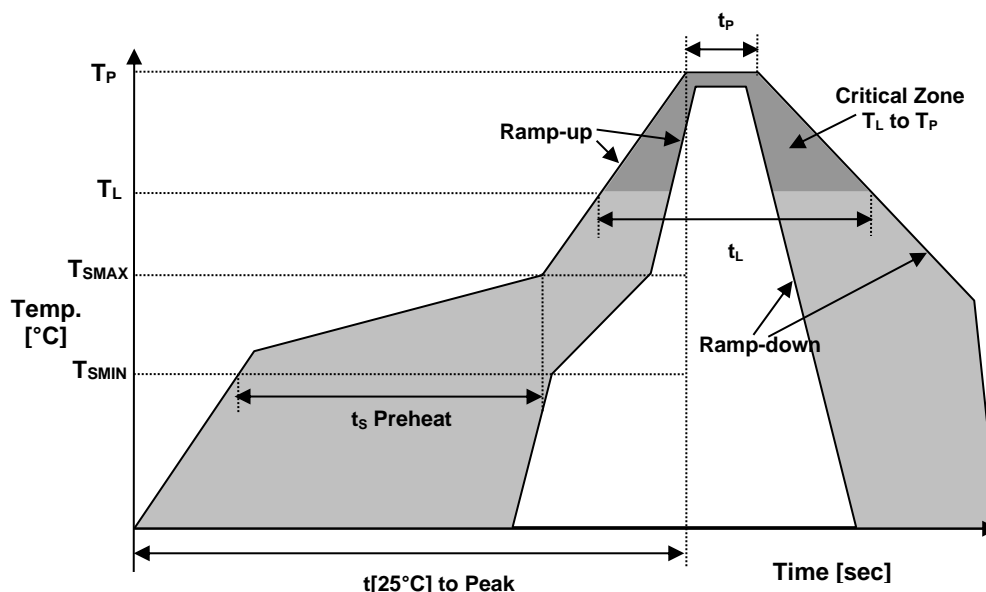
● ELECTRICAL SPECIFICATIONS

PARAMETER		VALUE
NOMINAL FREQUENCY		10.000 MHz
FREQUENCY TOLERANCE AT 25°C, MAX		±0.5%
FREQUENCY STABILITY OVER TEMPERATURE, MAX		±0.3%
OPERATING TEMPERATURE RANGE		-25°C to +85°C
AGING OVER 10 YEARS, MAX		±0.3%
RESONANT IMPEDANCE, MAX		30 Ω
BUILT IN CAPACITANCE (C1=C2), ±20%		33 pF
WITHSTANDING VOLTAGE (DC, 1 MAX)		50 V
INSULATION RESISTANCE, MIN		500 M Ω
INPUT VOLTAGE	DC VOLTAGE	6 V
	AC VOLTAGE (PEAK TO PEAK)	15 V
STORAGE TEMPERATURE		-55°C TO +85°C

● MECHANICAL SPECIFICATION



REFLOW PROFILE



Reflow profile		
Temperature Min Preheat	T_{SMIN}	140°C
Temperature Max Preheat	T_{SMAX}	160°C
Time (T_{SMIN} to T_{SMAX})	t_s	80-120 sec.
Temperature	T_L	200°C
Peak Temperature	T_P	230°C max
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 $t[25^\circ\text{C}]$ to Peak Temperature	$t[25^\circ\text{C}] \text{ to Peak}$	130 sec.
Time	t_L	20-40 sec.

ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS	COMPLIANT, exemption 7c
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Sn



APPROVAL

DRAWN BY:	AR, December 10, 2018
APPROVED BY:	CP, December 10, 2018
REVISION:	A, Initial Release

SMR-10.000-B

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