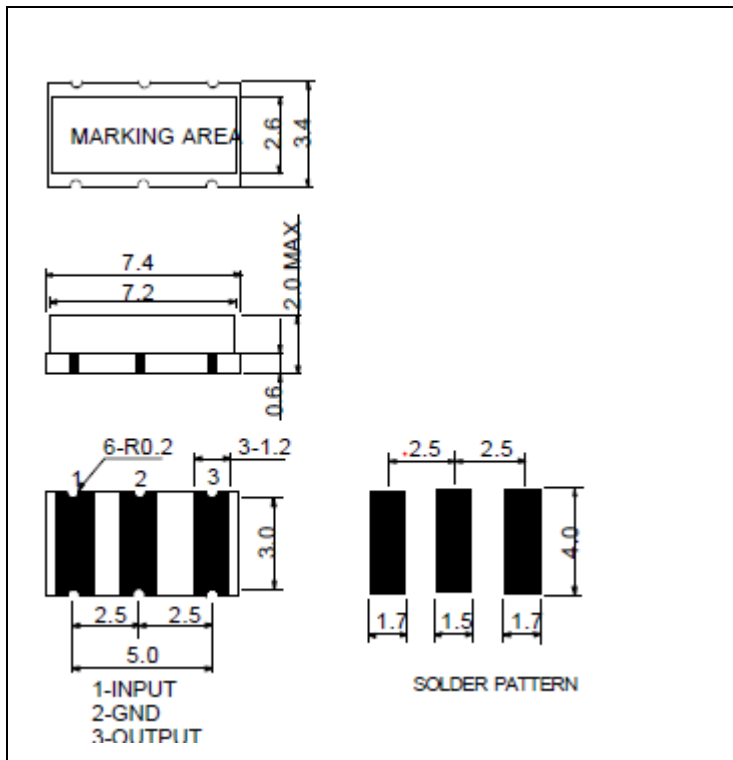


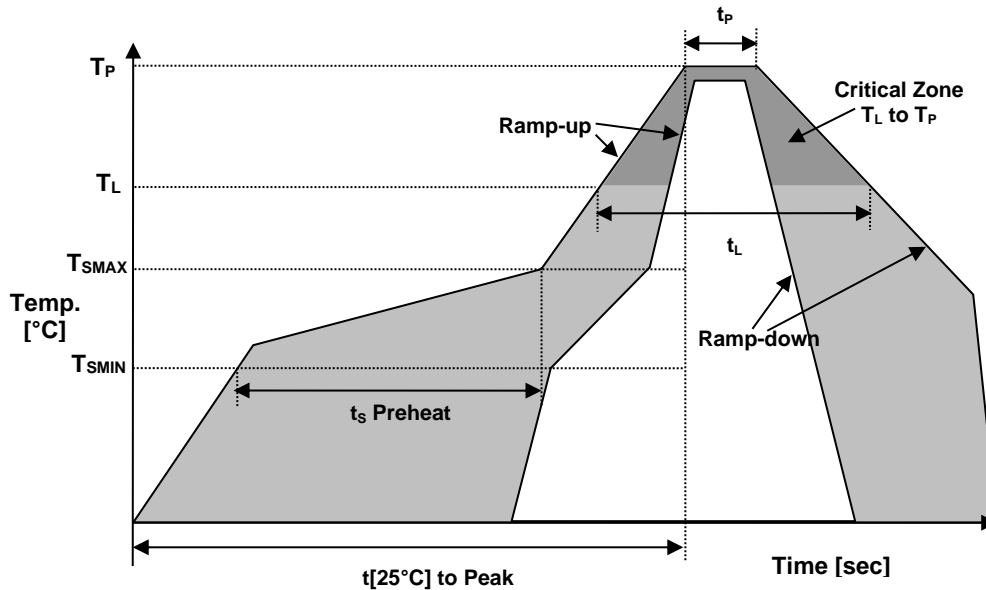
● ELECTRICAL SPECIFICATIONS

PARAMETER		VALUE
NOMINAL FREQUENCY		8.000 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 MΩ
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	$t[25^\circ\text{C}]$ 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



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## SURFACE MOUNT CERAMIC RESONATOR

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### **SMR-8.000-B**

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