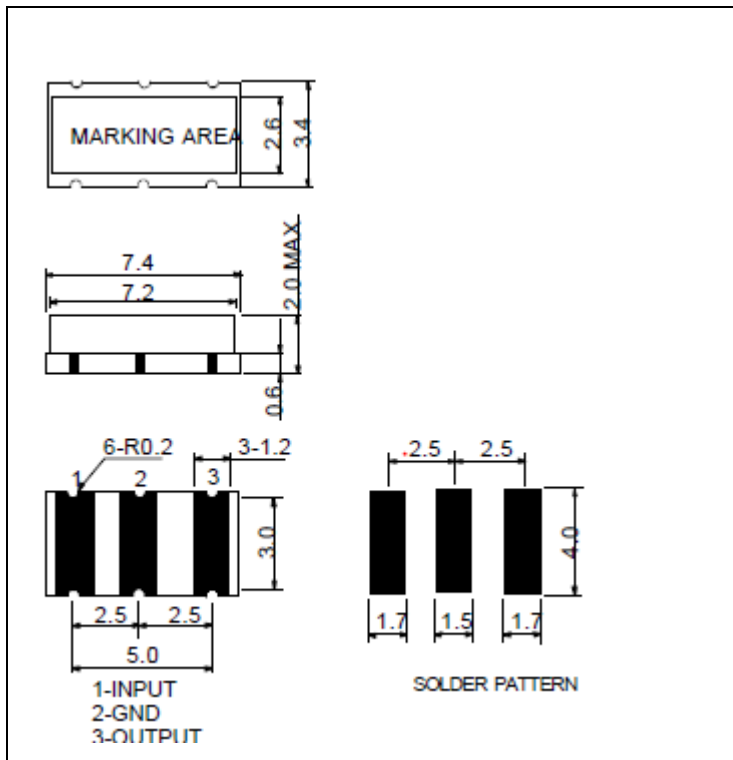


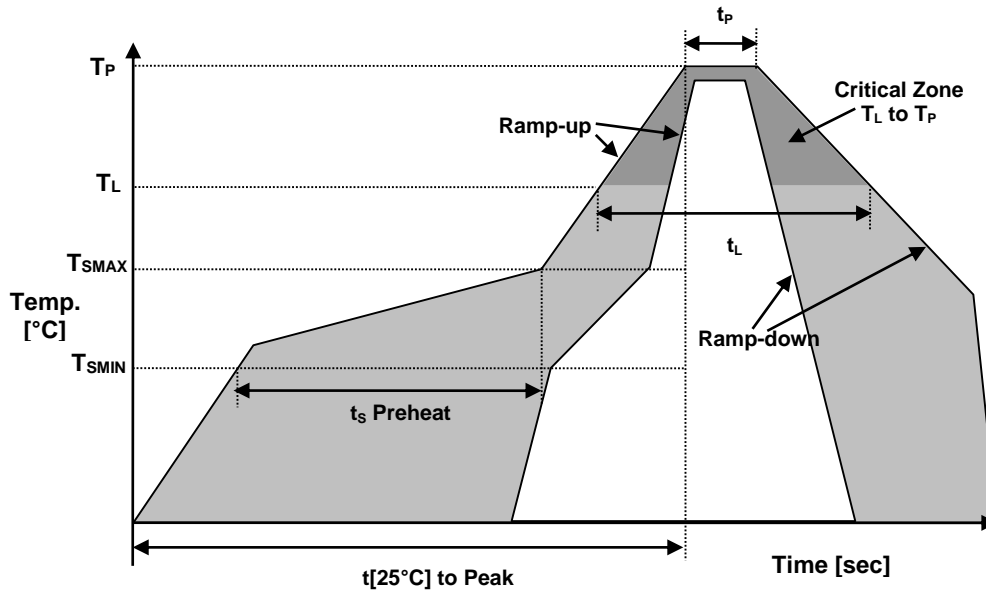
● ELECTRICAL SPECIFICATIONS

PARAMETER		VALUE
NOMINAL FREQUENCY		4.000 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 $t_{[25°C]}$ to Peak Temperature	$t_{[25°C]}$ to Peak	130 sec.
Time	$t_L$	20-40 sec.

• ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS-2	5/6 COMPLIANT, exemption 7c
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Sn



• APPROVAL

DRAWN BY:	KJackson, April 13, 2016
APPROVED BY:	KJackson, April 13, 2016
REVISION:	A, Initial Release