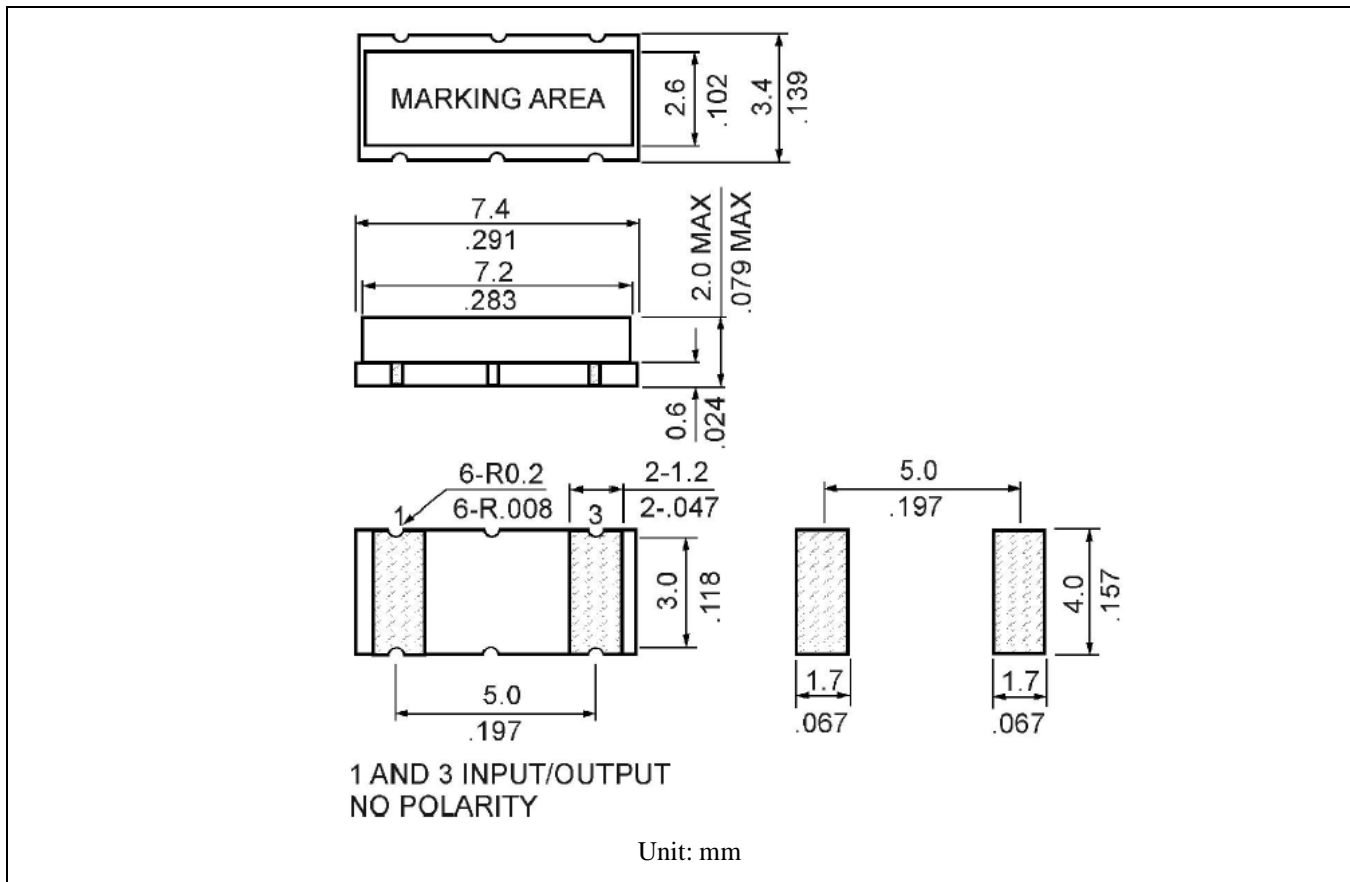


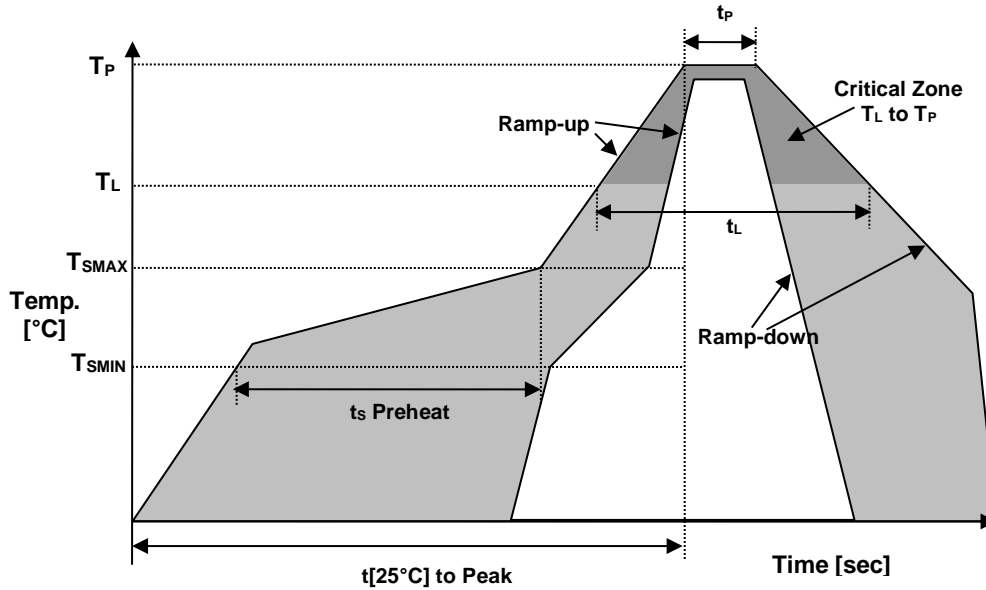
● ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	4.000 MHz
FREQUENCY TOLERANCE AT 25°C	±0.5% max
FREQUENCY STABILITY OVER TEMPERATURE	±0.3% max
OPERATING TEMPERATURE RANGE	-20°C to +80°C
STORAGE TEMPERATURE RANGE	-30°C to +85°C
AGING OVER 10 YEARS	±0.3% max
RESONANT IMPEDANCE	30 Ω max
EXTERNAL CAPACITANCE (C1=C2)	33pF
INPUT SIGNAL VOLTAGE	15 Vp-p AC
INPUT VOLTAGE AT 5 sec	50 VDC max
INSULATION RESISTANCE	130 MΩ min

● 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	60-180 sec.
Temperature	T _L	200°C
Peak Temperature	T _P	260°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	480 sec.
Time	t _L	20-40 sec.

● ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Sn



● APPROVAL

DRAWN BY:	AR, January 29, 2020
APPROVED BY:	CP, January 29, 2020
REVISION:	A, Initial Release

Raltron Electronics / RAMI Technology USA, LLC, including its affiliates, employees, agents and other persons acting on its behalf (collectively Raltron/RAMI Tech), disclaim any and all liability for any errors or inaccuracies contained in this data sheet. While Raltron/RAMI Tech has made every reasonable effort to ensure the accuracy of all product information, specifications and data contained herein, Raltron/RAMI Tech does not guarantee that the information is accurate, reliable or current. The product information is provided only for reference purposes only and is subject to change, correction or revision, at any time without notice. Raltron/RAMI Tech does not assume any liability arising out of an application or use of any product described herein and disclaims any warranties expressed or implied. The user of products in such applications shall assume all risks of such use and will agree to hold Raltron/RAMI Tech, harmless against all damages. Copyright © 2016, Raltron Electronics / RAMI Technology USA, LLC. All rights reserved. No part of this document may be reproduced in any form without the prior written permission of Raltron Electronics / RAMI Technology USA, LLC.