

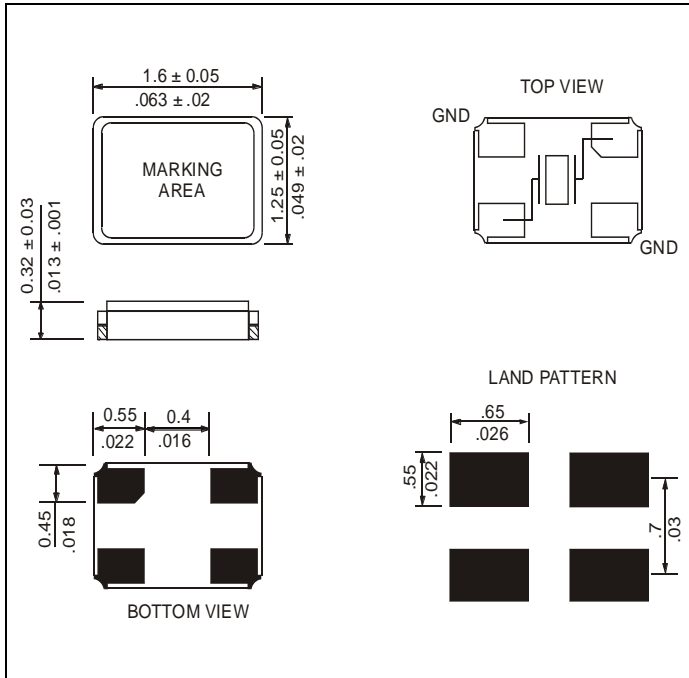
R1612-38.400-10-F-1015-TR-NS1

SPECIFICATIONS

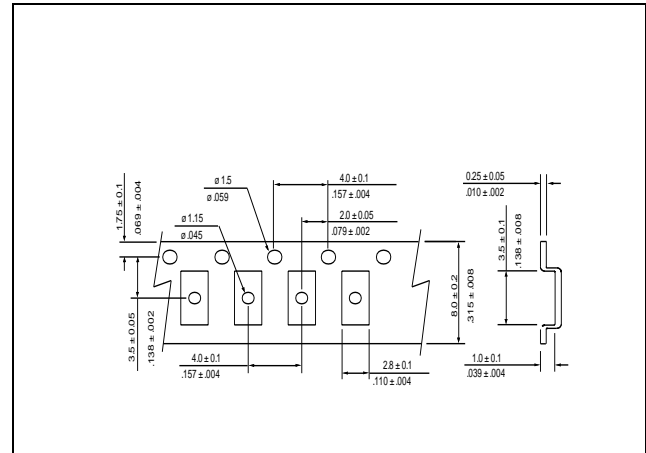
PARAMETER	VALUE
NOMINAL FREQUENCY	38.400 MHz
MODE OF OSCILLATION	AT CUT, FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±10 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±15 PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-30°C TO +85°C ↵
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
AGING	±1 PPM PER YEAR
LOAD CAPACITANCE	10 pF
EQUIVALENT SERIES RESISTANCE	60 OHMS ↵
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	50 μW MAX
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM



MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



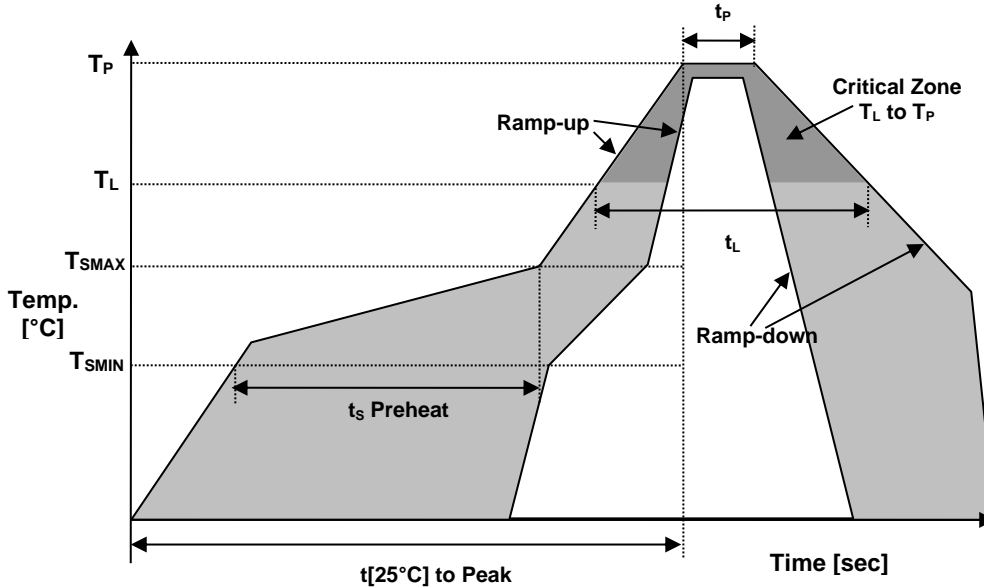
NOTE:
REFER TO EIA-481 FOR NON-SPECIFIED DIMENSIONS

PACKAGING

180 mm REEL DIAMETER
8 mm TAPE WIDTH, 4 mm PITCH
QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481

● 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 $t[25^\circ\text{C}]$ to Peak Temperature	$t[25^\circ\text{C}]$ to Peak	480 sec.
Time	t_L	60-150 sec.

● ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS	6/6 LEAD FREE
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



● APPROVAL

DRAWN BY:	KJackson, June 16, 2016
APPROVED BY:	KJackson, June 16, 2016
REVISION:	A, Initial Release

R1612-38.400-10-F-1015-TR-NS1

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 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.