

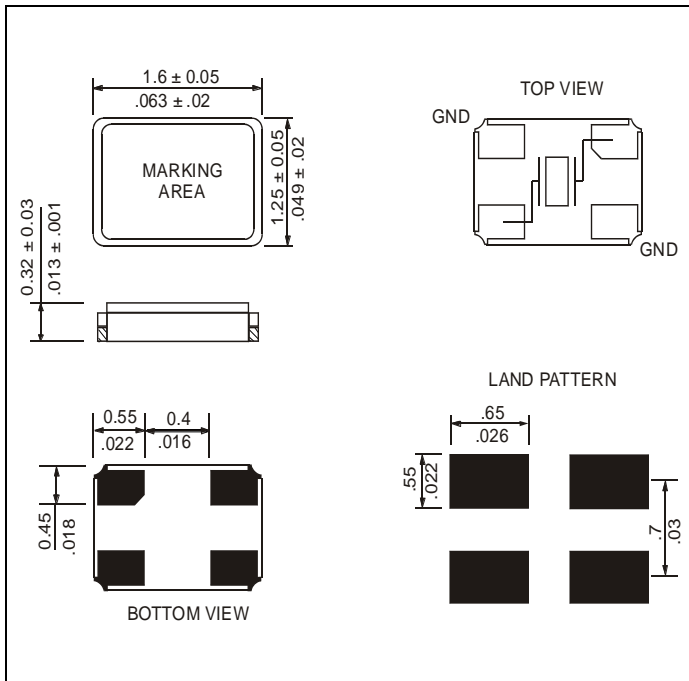
R1612-24.000-8-1020-TR-NS1

SPECIFICATIONS

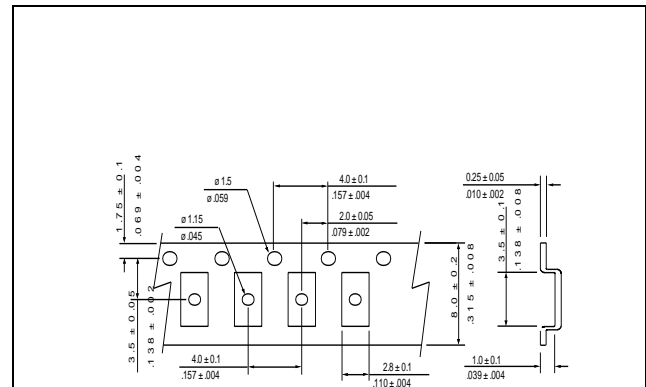
PARAMETER	VALUE
NOMINAL FREQUENCY	24.000 MHz
MODE OF OSCILLATION	AT CUT, FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±10 PPM
FREQUENCY STABILITY OVER TEMPERATURE	±20 PPM
OPERATING TEMPERATURE RANGE	-30°C TO +105°C ⇐
STORAGE TEMPERATURE RANGE	-40°C TO +105°C
AGING	±2 PPM PER YEAR
LOAD CAPACITANCE	8 pF
EQUIVALENT SERIES RESISTANCE	60 OHMS ⇐
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	100 µW TYPICAL, 200 µW MAXIMUM ⇐
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM



MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



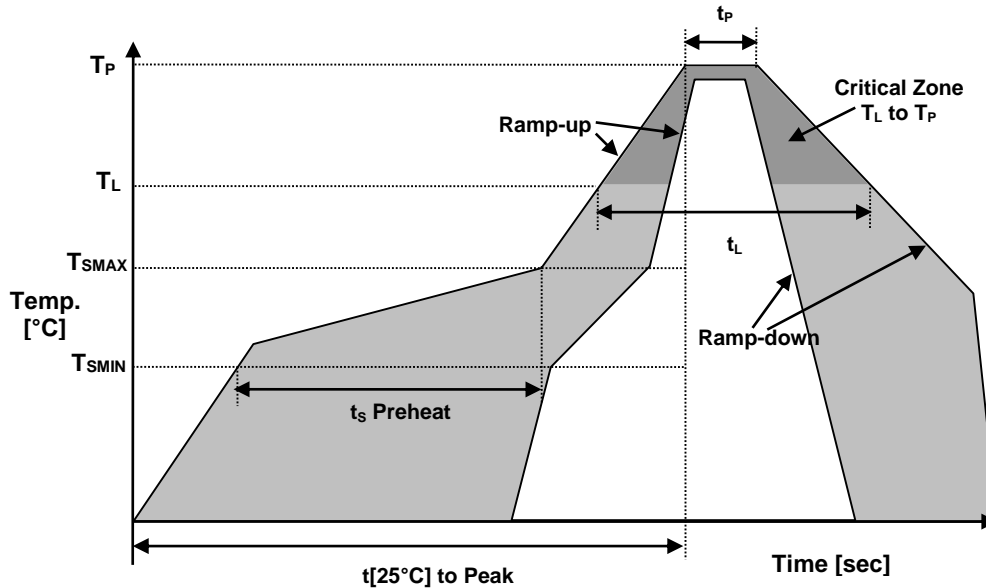
NOTE:
 REFER TO EIA-481 FOR NON-SPECIFIED DIMENSIONS

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:	YG Jiao , Sept. 29, 2016
APPROVED BY:	KJackson, Sept. 29, 2016
REVISION:	A, Initial Release