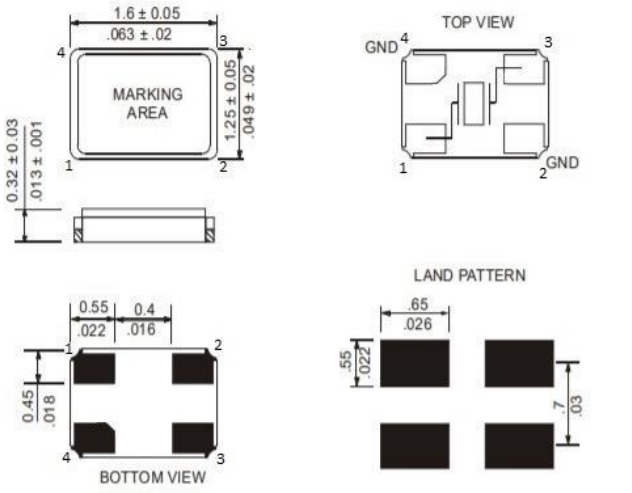
R1612-40.000-8-F-2020-TR-NS1

SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	40.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±20 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±20 ppm max
OPERATING TEMPERATURE RANGE	-20°C to +70°C
STORAGE TEMPERATURE RANGE	-40°C to +90°C
AGING	±2 ppm first year max
LOAD CAPACITANCE	8 pF
EQUIVALENT SERIES RESISTANCE	100 ohms max ⇦
SHUNT CAPACITANCE	3.5 pF max
DRIVE LEVEL	50 µW max
REFLOW CONDITIONS	260°C for 10 sec max

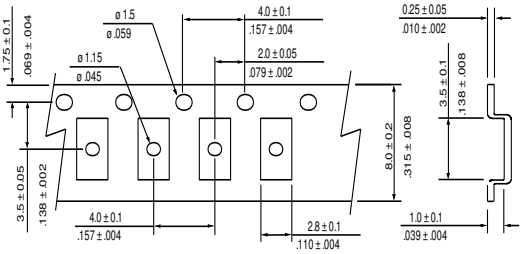
RoHS Compliant

MECHANICAL SPECIFICATION



Note: According to ceramic base availability the Chamfer location could be on a different pin. However, the Chamfer's location does not influence the electrical performance of the crystal.

CARRIER TAPE DIMENSIONS



NOTE:

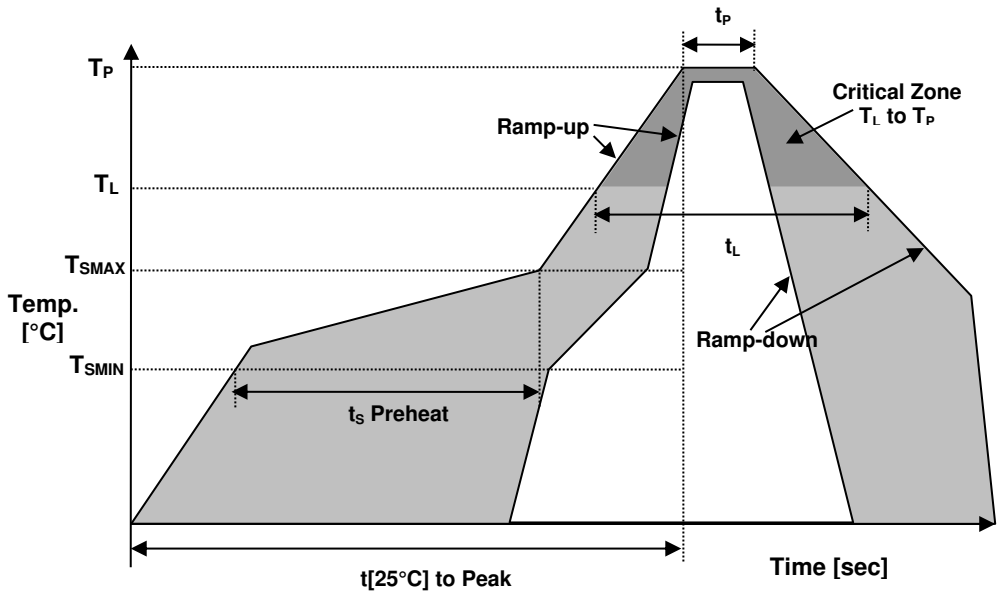
REFER TO EIA-481 FOR NON-SPECIFIED DIMENSIONS

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°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	t_L	60-150 sec.

• ENVIRONMENTAL

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

• MARKING

R26xKz

x – Internal Production ID code
z – Date Code (year / month)

YEAR CODE	
Year	Code
2015	5
2016	6
2017	7
2018	8
2019	9
2020	0
2021	1
2022	2
2023	3
2024	4
2025	5

• APPROVAL

DRAWN BY:	KJackson, April 25, 2016
APPROVED BY:	KJackson, April 25, 2016
REVISION:	A, Initial Release
	B, Updated to current spec levels KJ 7/31/2020 C, Updated Mechanical Specification AR 2/16/2021