

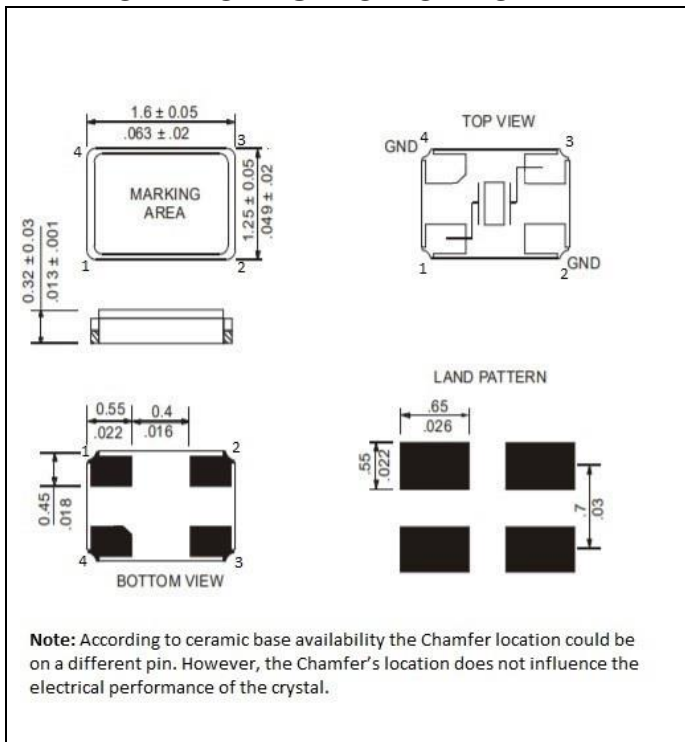
R1612-26.000-10-F-1010-TR-NS1

**SPECIFICATIONS**

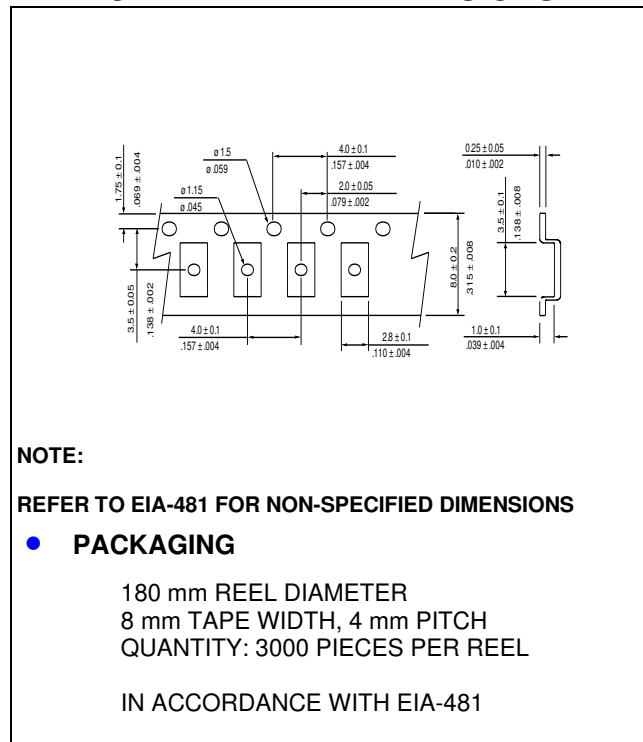
PARAMETER	VALUE
NOMINAL FREQUENCY	26.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±10 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±10 ppm max
OPERATING TEMPERATURE RANGE	-20°C to +75° ⇐
STORAGE TEMPERATURE RANGE	-40°C to + 90°C
AGING	±1 ppm per year max ⇐
LOAD CAPACITANCE	10 pF
EQUIVALENT SERIES RESISTANCE	80 ohms max ⇐
SHUNT CAPACITANCE	2 pF max ⇐
DRIVE LEVEL	200 μW max ⇐
TRIM SENSITIVITY OVER LOAD	4.75 ppm/pF typ @ CL ⇐
SPURIOUS	-3dB max ⇐
INSULATION RESISTANCE	500 MΩ @ DC 100 volt ⇐
RLD2 (RLD)	80 Ω max @ 0.01-200μW ⇐
DLD2	10 Ω max @ 0.01-200μw ⇐
REFLOW CONDITIONS	260°C for 10 sec max



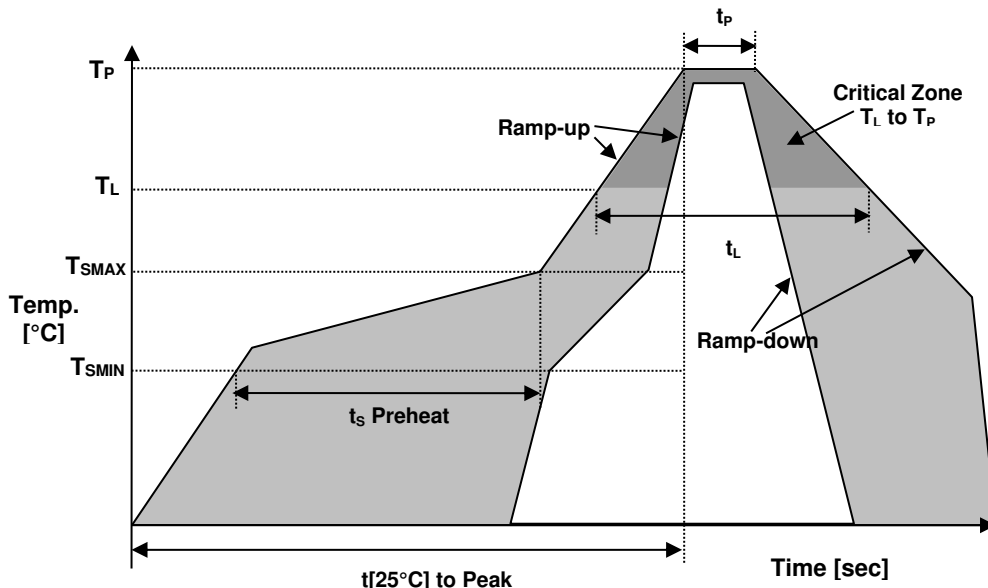
**MECHANICAL SPECIFICATION**



**CARRIER TAPE DIMENSIONS**



● 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	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
2019	9
2020	0
2021	1
2022	2
2023	3
2024	4
2025	5
2026	6
2027	7
2028	8
2029	9

● APPROVAL

DRAWN BY:	KJackson, January 13, 2016
APPROVED BY:	KJackson, January 13, 2016
REVISION:	A, Initial Release
	B, Updated to current spec levels KJ 7/31/20
	C, Updated Mechanical Specification AR, 02/16/2021

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