

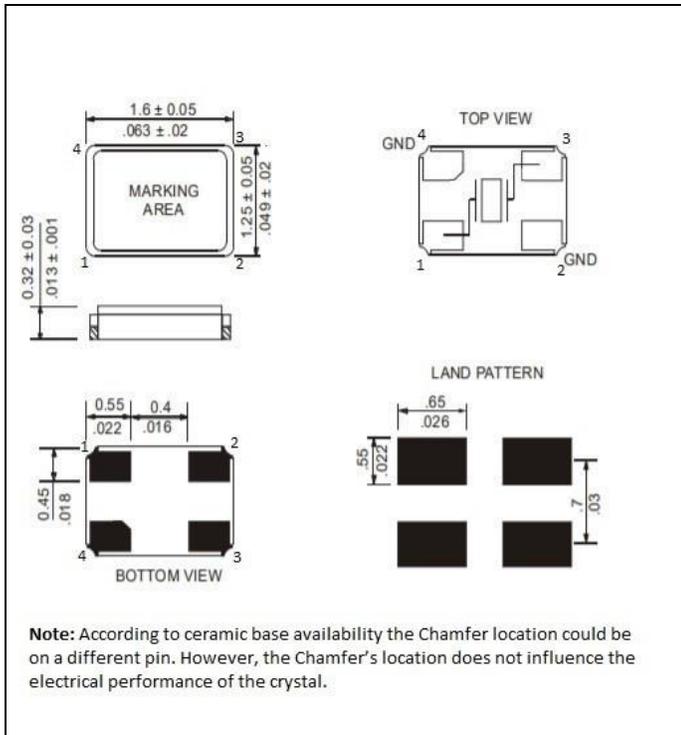
R1612-26.000-10-F-1010-TR-NS1

SPECIFICATIONS

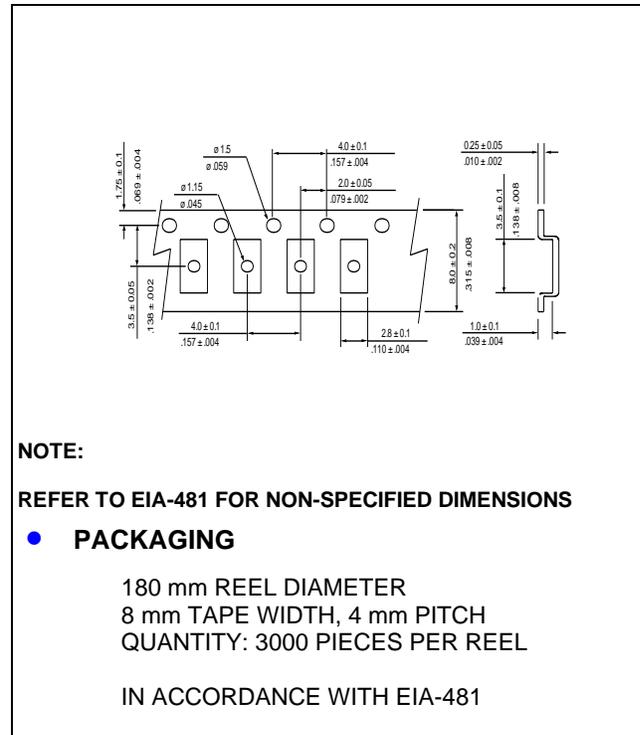
PARAMETER	VALUE
NOMINAL FREQUENCY	26.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±10 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±10 ppm max
OPERATING TEMPERATURE RANGE	-20°C to +75° ⇐
STORAGE TEMPERATURE RANGE	-40°C to + 90°C
AGING	±1 ppm per year max ⇐
LOAD CAPACITANCE	10 pF
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



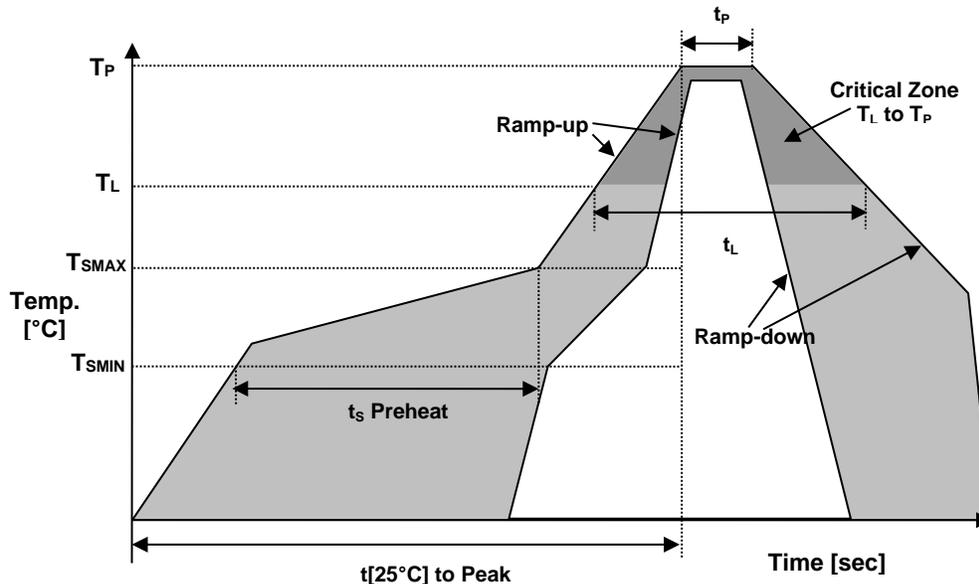
MECHANICAL SPECIFICATION



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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