

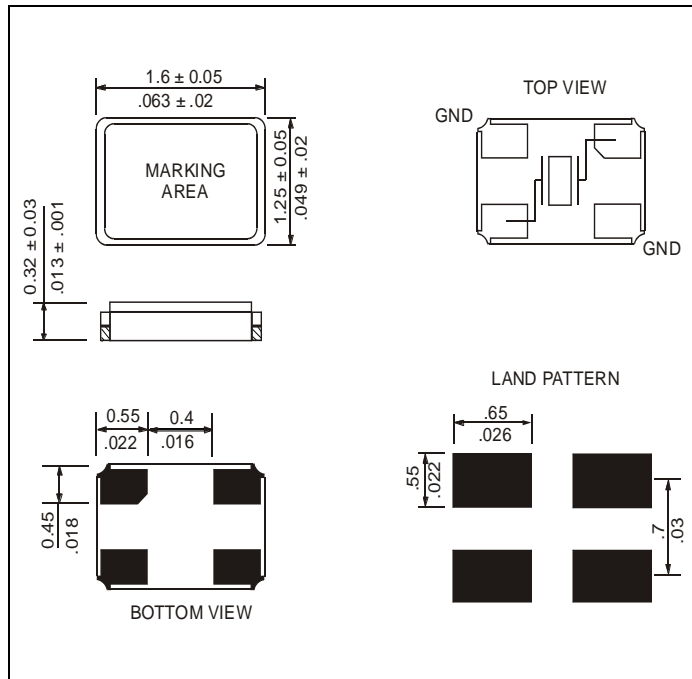
**R1612-32.000-10-F-1010-TR-B1B**

**SPECIFICATIONS**

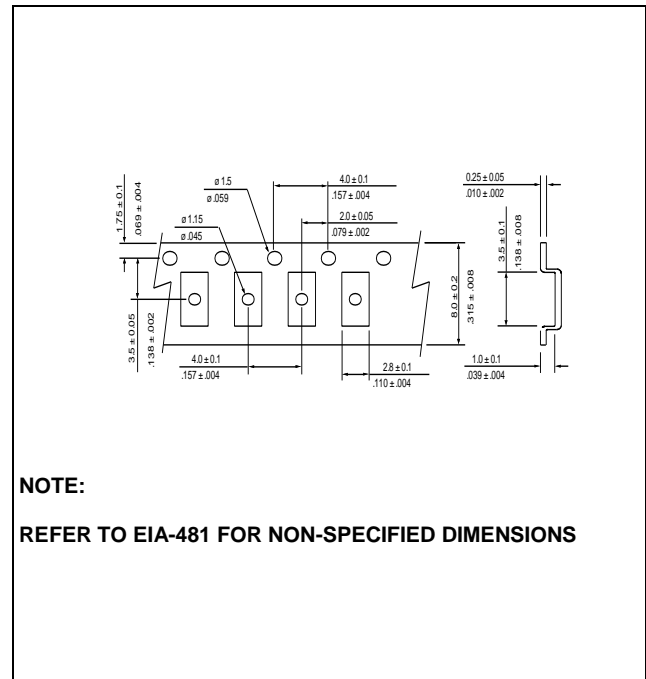
PARAMETER	VALUE
NOMINAL FREQUENCY	32.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±10 ppm
FREQUENCY STABILITY OVER TEMPERATURE	±10 ppm
OPERATING TEMPERATURE RANGE	-30°C to +70°C ⇄
STORAGE TEMPERATURE RANGE	-40°C to +85°C
AGING	±3 ppm per year max
LOAD CAPACITANCE	10 pF
EQUIVALENT SERIES RESISTANCE	60 Ω max ⇄
SHUNT CAPACITANCE	2 pF max
DRIVE LEVEL	100 μW max
REFLOW CONDITIONS	260°C ±5°C for 10s max



**MECHANICAL SPECIFICATION**



**CARRIER TAPE DIMENSIONS**

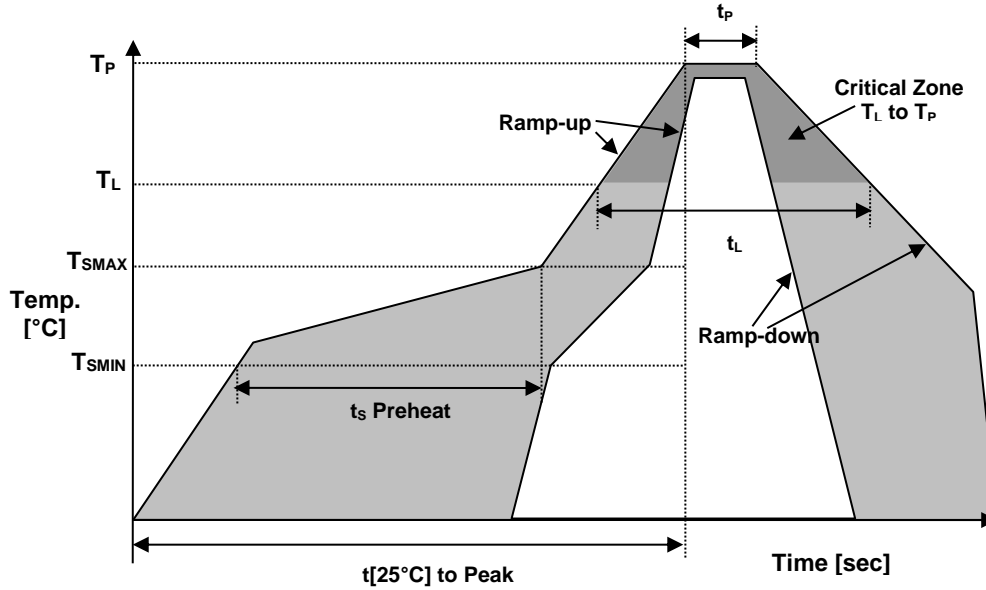


**PACKAGING**

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	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



● APPROVAL

DRAWN BY:	KJackson, April 21, 2016
APPROVED BY:	KJackson, April 21, 2016
REVISION:	A, Initial Release