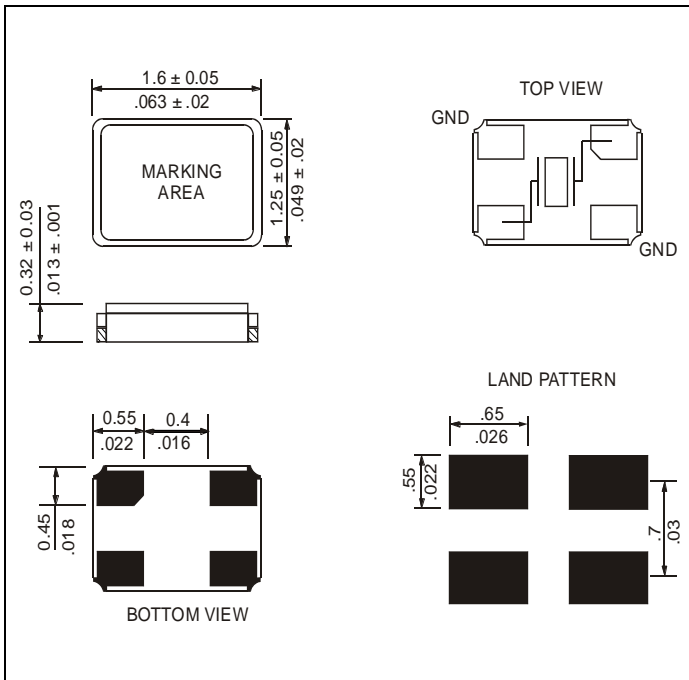


**SPECIFICATIONS**

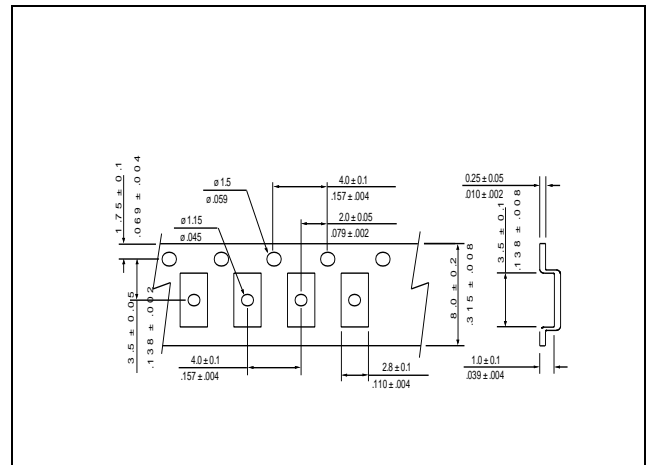
PARAMETER	VALUE
FREQUENCY	27.000 MHz
MODE OF OSCILLATION	AT CUT, FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±15 PPM
FREQUENCY STABILITY OVER TEMPERATURE	±30 PPM
OPERATING TEMPERATURE RANGE	-10°C TO +60°C
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
AGING	±1 PPM PER YEAR
LOAD CAPACITANCE	8 pF
EQUIVALENT SERIES RESISTANCE	150 ohms
SHUNT CAPACITANCE	5.0 pF MAXIMUM
DRIVE LEVEL	50 µW MAX
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM



**MECHANICAL SPECIFICATION**



**CARRIER TAPE DIMENSIONS**



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

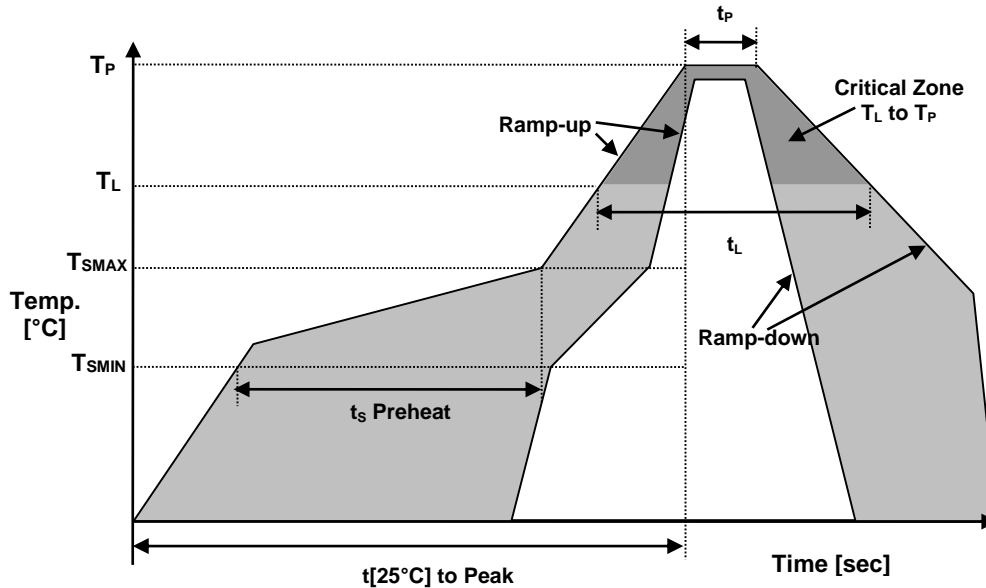
**PACKAGING**

180 mm REEL DIAMETER  
8 mm TAPE WIDTH, 4 mm PITCH  
QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481

Revision: A Initial Release  
Approval By: FP  
Date: 25 July 2013

● 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

