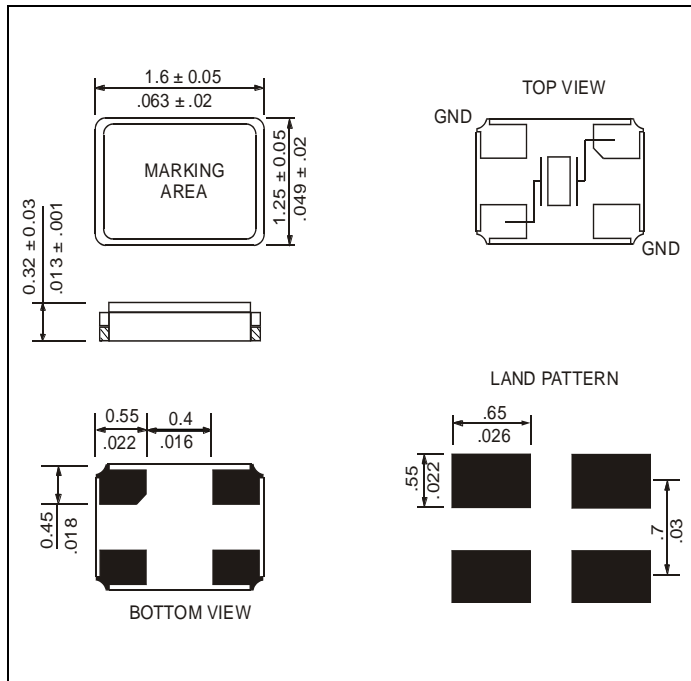


## SPECIFICATIONS

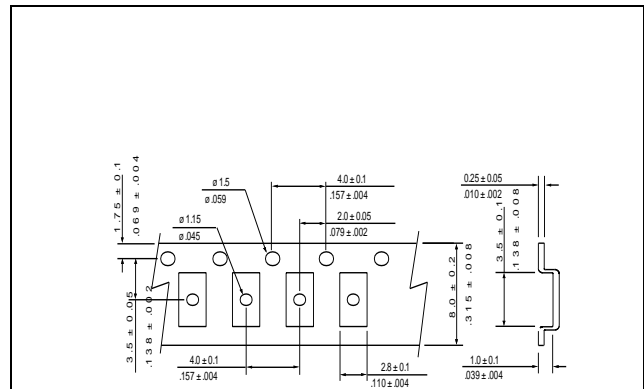
PARAMETER	VALUE
NOMINAL FREQUENCY	40.000 MHz
MODE OF OSCILLATION	AT CUT, FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±20 PPM
FREQUENCY STABILITY OVER TEMPERATURE	±20 PPM
OPERATING TEMPERATURE RANGE	-20°C TO +70°C
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
AGING	±2 PPM PER YEAR
LOAD CAPACITANCE	8 pF
EQUIVALENT SERIES RESISTANCE	100 OHMS ↵
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	50 µW MAX
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM



## MECHANICAL SPECIFICATION



## CARRIER TAPE DIMENSIONS



**NOTE:**

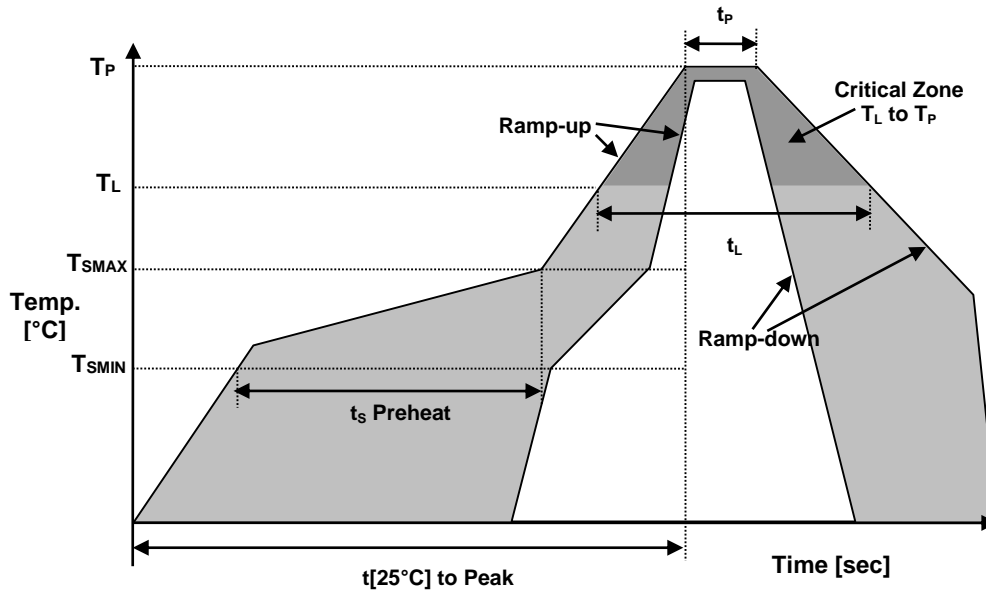
REFER TO EIA-481 FOR NON-SPECIFIED DIMENSIONS

### PACKAGING

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

IN ACCORDANCE WITH EIA-481

● REFLOW PROFILE



Reflow profile		
Temperature Min Preheat	T <sub>SMIN</sub>	150°C
Temperature Max Preheat	T <sub>SMAX</sub>	200°C
Time (T <sub>SMIN</sub> to T <sub>SMAX</sub> )	t <sub>s</sub>	60-180 sec.
Temperature	T <sub>L</sub>	217°C
Peak Temperature	T <sub>P</sub>	260°C
Ramp-up rate	R <sub>UP</sub>	3°C/sec max.
Ramp-down rate	R <sub>DOWN</sub>	6°C/sec max.
Time within 5°C of Peak Temperature	t <sub>p</sub>	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	t <sub>L</sub>	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



● **APPROVAL**

DRAWN BY:	KJackson, April 25, 2016
APPROVED BY:	KJackson, April 25, 2016
REVISION:	A, Initial Release