

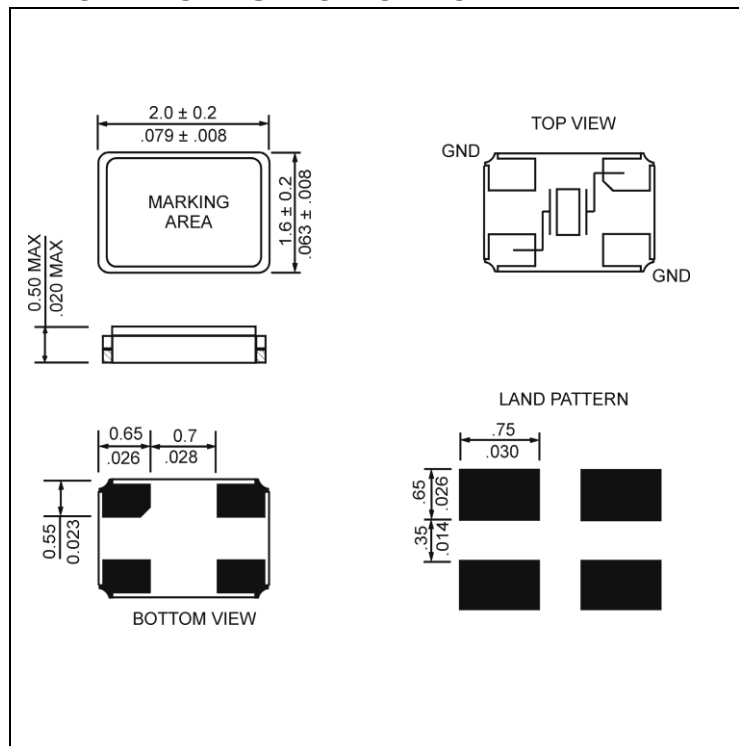
SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	16.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±15 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±15 PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-20°C TO +70°C ⇄
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
AGING	±3 PPM PER YEAR MAXIMUM ⇄
LOAD CAPACITANCE	10 pF
EQUIVALENT SERIES RESISTANCE	150 Ω ⇄
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	100 μW MAXIMUM ⇄
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST ONTO A HARD WOODSURFACE
INSULATION RESISTANCE	500 MΩ @ DC 100 V
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM

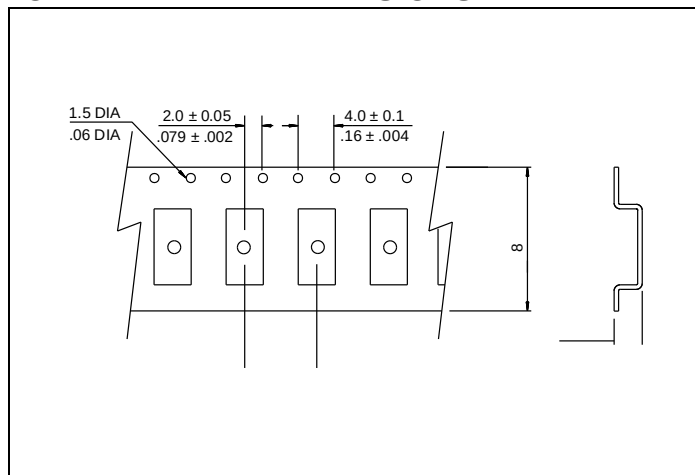


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



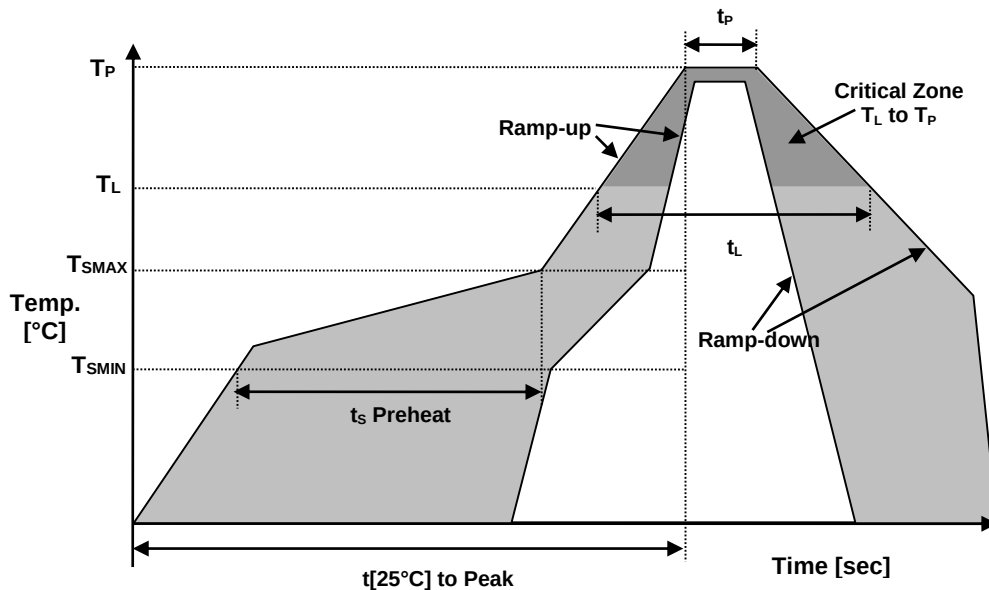
NOTE: REFER TO EIA-481 FOR DIMENSIONS

- **PACKAGING**

178 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 $t_{[25°C]}$ to Peak Temperature	$t_{[25°C]}$ to Peak	480 sec.
Time	t_L	60-150 sec.

ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS-2	6/6 COMPLIANT & LEAD FREE
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



APPROVAL

DRAWN BY	CP, February 02, 2016
APPROVED BY	CP, February 02, 2016
REVISION	A, Initial Release