

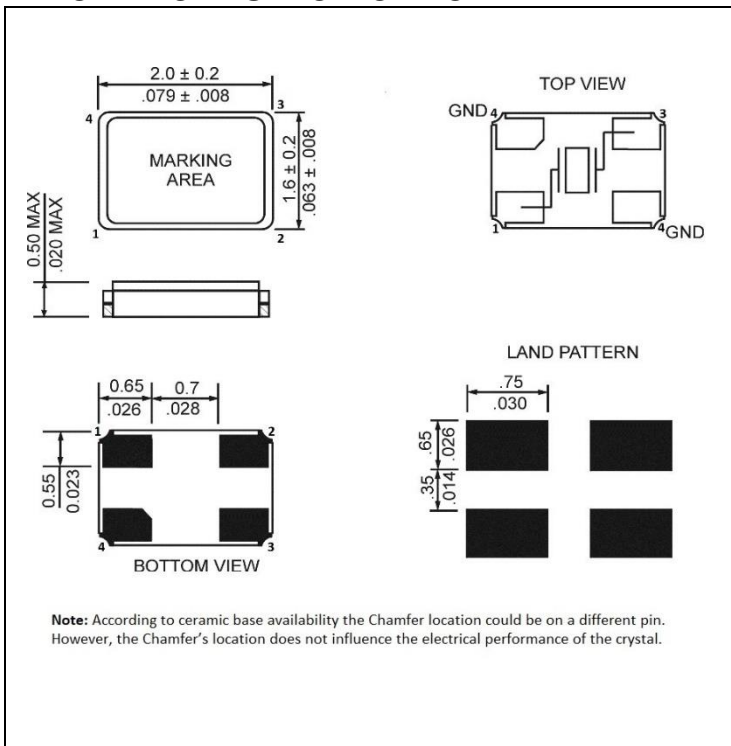
SPECIFICATIONS

PARAMETER	VALUE
FREQUENCY RANGE	32.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±10 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±10 ppm over -20°C to +75°C ±15 ppm over -40°C to +85°C
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C
AGING	±3 ppm per year max
LOAD CAPACITANCE	10 pF
EQUIVALENT SERIES RESISTANCE	60 Ω ↔
SHUNT CAPACITANCE	5 pF max
DRIVE LEVEL	100 μW max
SHOCK RESISTANCE	±5 ppm max 75 cm drop test in 3 axes onto a hard surface
REFLOW CONDITIONS	260°C ±5°C for 10s max

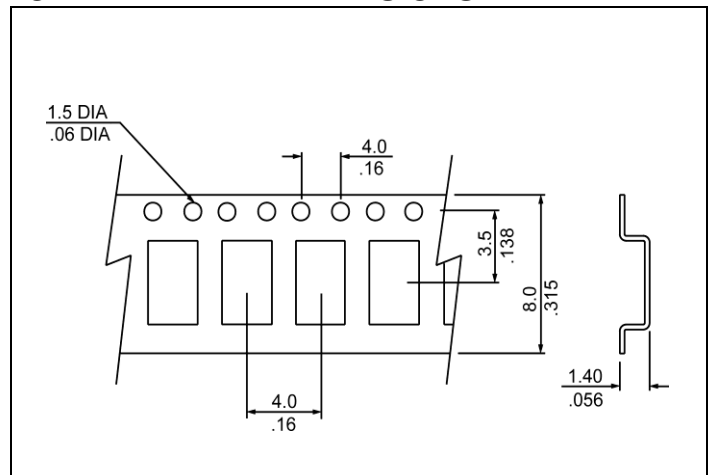


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



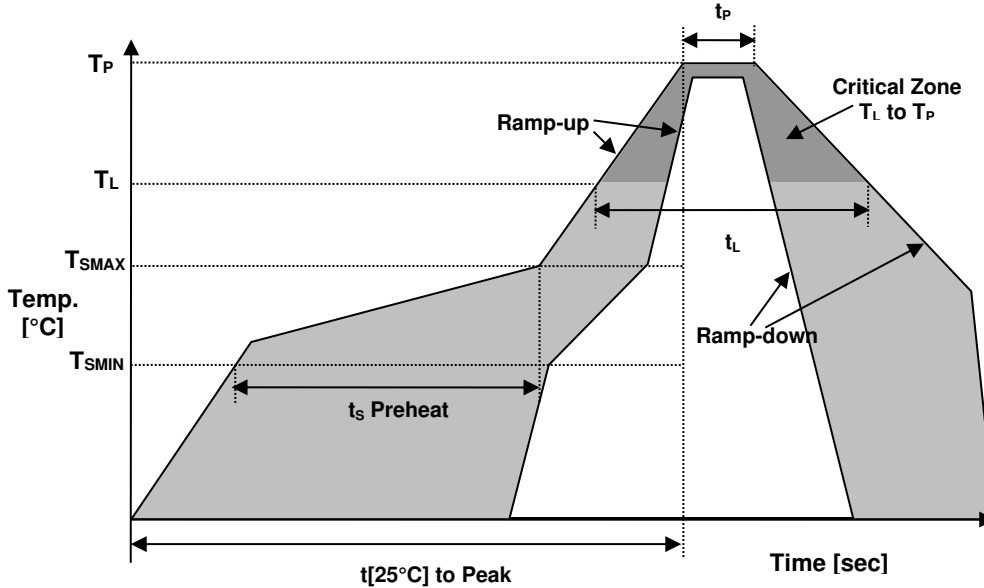
NOTE: REFER TO EIA-481 FOR DIMENSIONS

● 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 $t[25^\circ\text{C}]$ 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





A RAMI TECHNOLOGY Company

R2016-32.000-10-F-1010-TR-NS2

MARKING

R320
XKyw

x - 1 or 2 digits as Internal Production ID code
y - Year code
w - Week code

YEAR CODE table with columns Year and Code, listing years from 2015 to 2025 and their corresponding codes.

ALPHA WEEK CODE TABLE with columns Week and Code, listing weeks 1-18 and their corresponding alpha codes.

APPROVAL

Approval table with rows for DRAWN BY, APPROVED BY (CP, May 27, 2015), and REVISION (A, B, AR, July 21, 2020).

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