

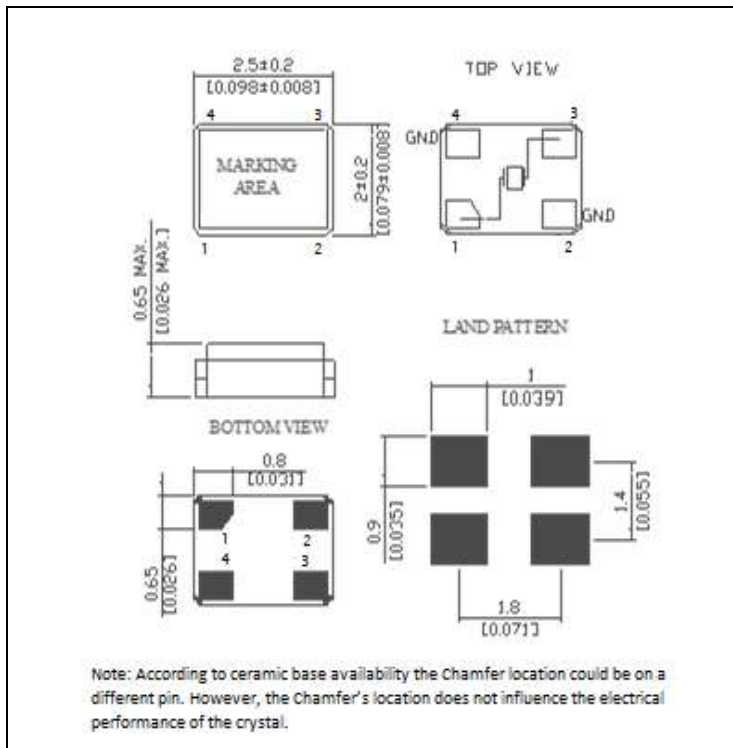
SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	30.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±50 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±50 PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-40°C TO +85°C
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING	±3 PPM PER YEAR
LOAD CAPACITANCE	12 pF
EQUIVALENT SERIES RESISTANCE	60 Ω
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	200 μW MAXIMUM
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST IN 3 AXES ONTO A HARD SURFACE
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM

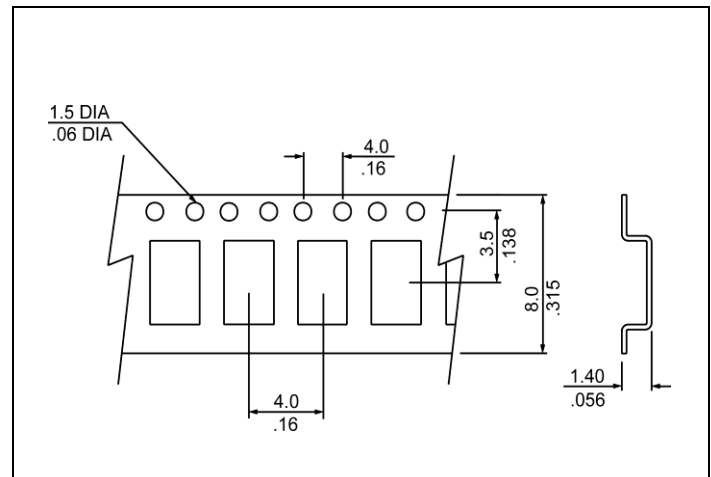


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



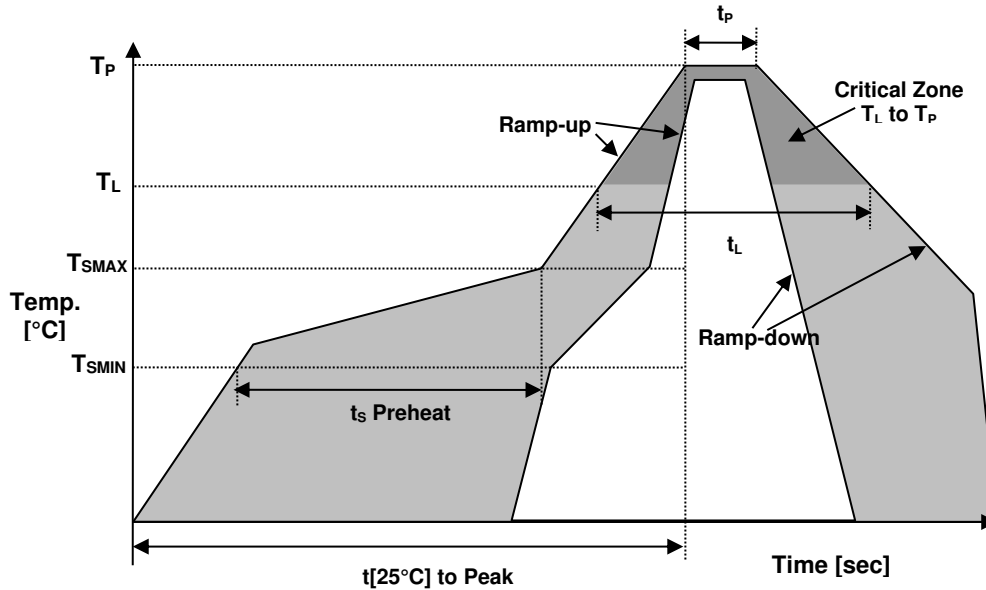
NOTE: REFER TO EIA-481 FOR DIMENSIONS

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





A RAMI TECHNOLOGY Company

MARKING

R30.0
xxJyw

xx - Internal Production ID code
y - Year code
w - Week code

YEAR CODE table with columns Year and Code, mapping years 2019-2029 to codes 9-9.

ALPHA WEEK CODE TABLE with columns Week, Code, Week, Code, Week, Code, mapping weeks 1-36 to codes a-J.

APPROVAL

Approval table with rows for DRAWN BY, APPROVED BY, and REVISION.

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