

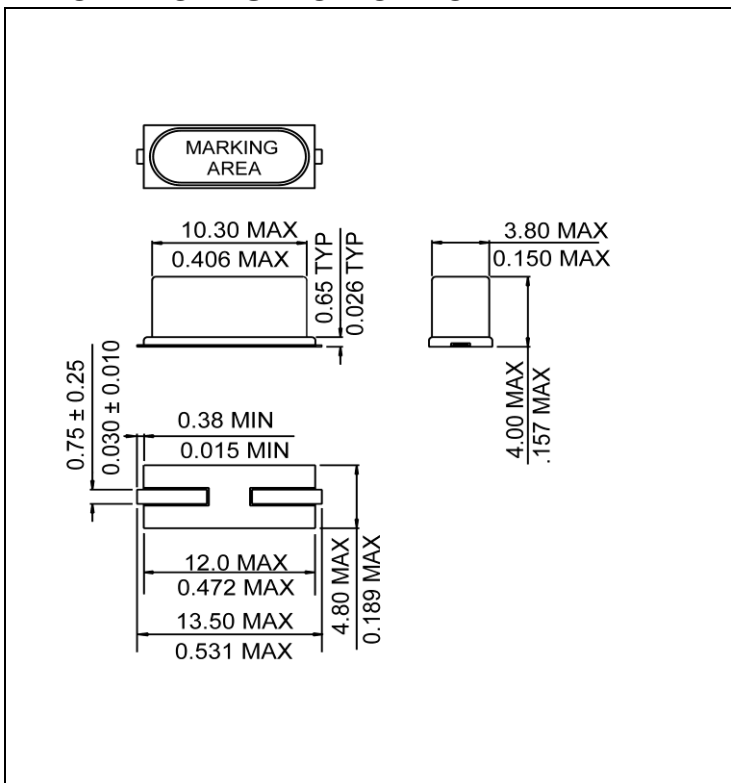
## SPECIFICATIONS

PARAMETER	VALUE
FREQUENCY RANGE	25.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±30 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±30 ppm max
OPERATING TEMPERATURE RANGE	-20°C to +70°C
STORAGE TEMPERATURE RANGE	-40°C to +90°C
AGING	±5 ppm first year max
LOAD CAPACITANCE	20 pF
EQUIVALENT SERIES RESISTANCE	40 Ω max
SHUNT CAPACITANCE	5 pF max
DRIVE LEVEL	500 μW max
REFLOW CONDITIONS	260°C for 10 sec max

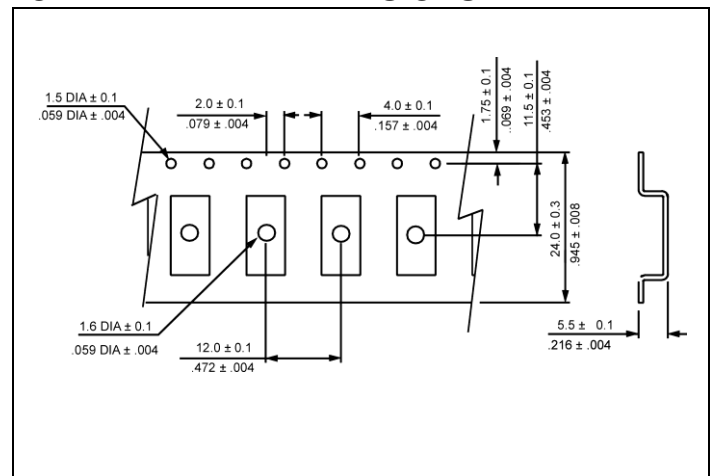


Photo is not actual part

## MECHANICAL SPECIFICATION



## CARRIER TAPE DIMENSIONS



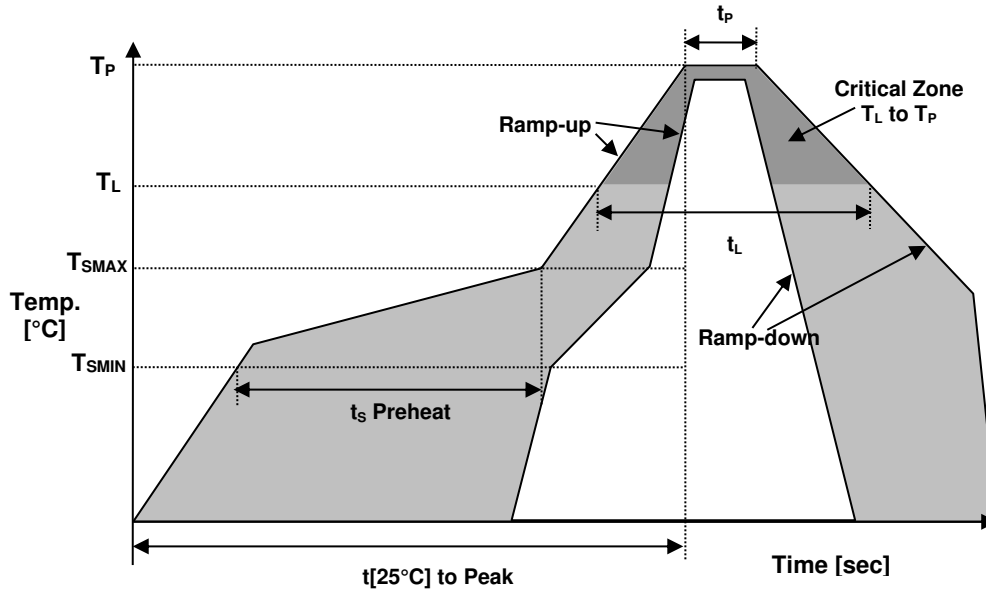
NOTE: REFER TO EIA-481 FOR DIMENSIONS

### ● PACKAGING

178 mm REEL DIAMETER  
24 mm TAPE WIDTH, 4 mm PITCH  
QUANTITY: 1000 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	Sn





A RAMI TECHNOLOGY Company

MARKING

R250xxAyw

x – Internal Production ID code
y – Year code
w – Week code

Table with 2 columns: Year, Code. Rows include years from 2019 to 2029 with corresponding codes 9 through 9.

Table with 6 columns: Week, Code, Week, Code, Week, Code. Lists week numbers 1-18 and their corresponding codes (a-r) and letters (K-Z).

APPROVAL

Table with 2 columns: Field (DRAWN BY, APPROVED BY, REVISION) and Value (KJackson, March 9, 2015, A, Initial Release, B, Updated to current specs, KJ 7/14/21).

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