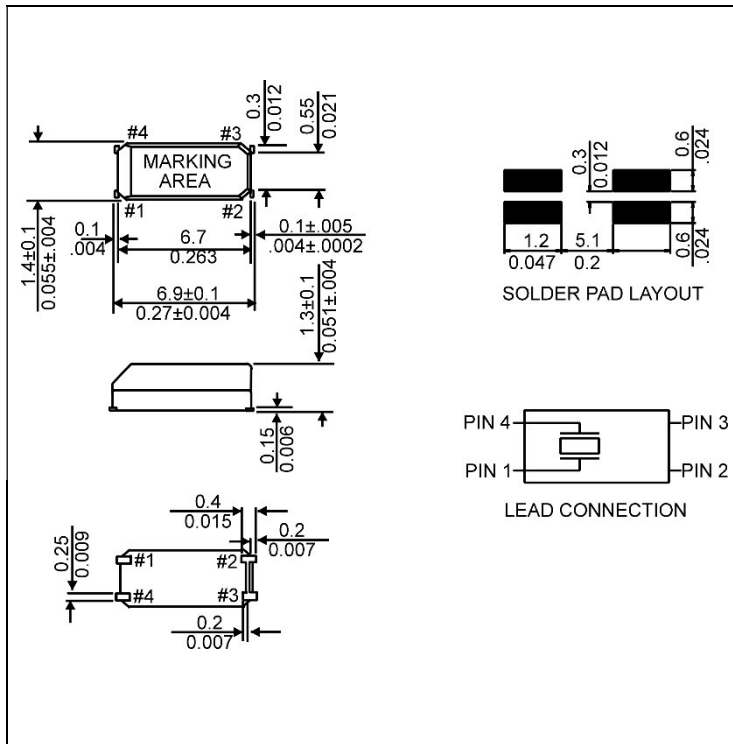


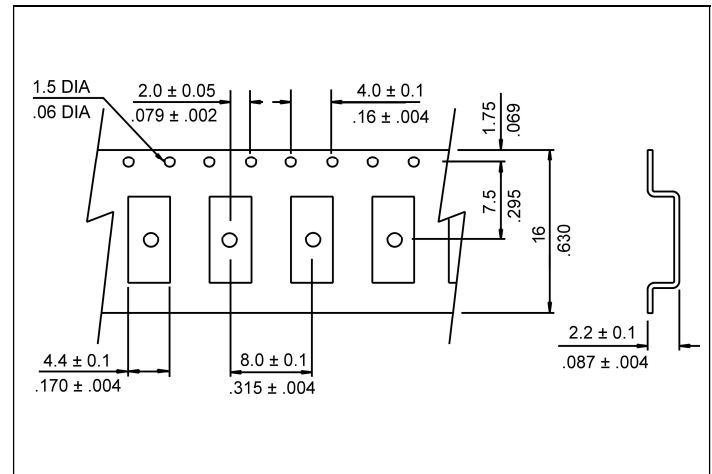
● **SPECIFICATIONS**

PARAMETER	VALUE
NOMINAL FREQUENCY	32.768 KHz
FREQUENCY TOLERANCE AT 25°C	±20 ppm max
TEMPERATURE COEFFICIENT	-0.035 ± 0.01 ppm/°C ²
TURNOVER TEMPERATURE	25°C ± 5°C
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C
AGING	±3 ppm per year max
LOAD CAPACITANCE	9 pF
EQUIVALENT SERIES RESISTANCE	65 KΩ max
SHUNT CAPACITANCE	0.8 pF max
DRIVE LEVEL	1.0 μW max

● **MECHANICAL SPECIFICATION**



● **CARRIER TAPE DIMENSIONS**



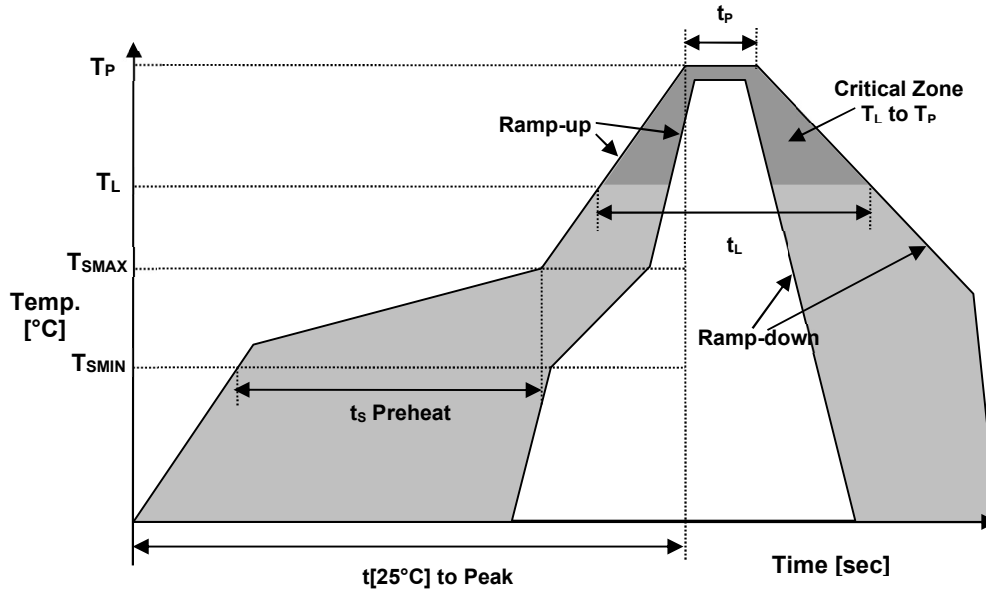
NOTE: REFER TO EIA-481 FOR DIMENSIONS

● **PACKAGING**

330 mm REEL DIAMETER
 16 mm TAPE WIDTH, 8 mm PITCH
 QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481

● REFLOW PROFILE



Reflow profile		
Temperature Min Preheat	T_{SMIN}	125°C
Temperature Max Preheat	T_{SMAX}	150°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-2	Exemption 7A
REACH SVHC	Compliant
HALOGEN-FREE	Compliant
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Sn





A RAMI TECHNOLOGY Company

MARKING

x37myR

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

YEAR CODE table with columns Year and Code, listing years from 2019 to 2029 and their corresponding codes.

ALPHA WEEK CODE TABLE with columns Week and Code, listing weeks 1-52 and their corresponding alpha codes.

APPROVAL

Approval table with columns: DRAWN BY (KJ, June 22, 2023), APPROVED BY (JI, June 22, 2023), REVISION (A, Initial Release).

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