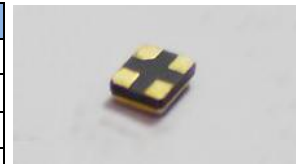


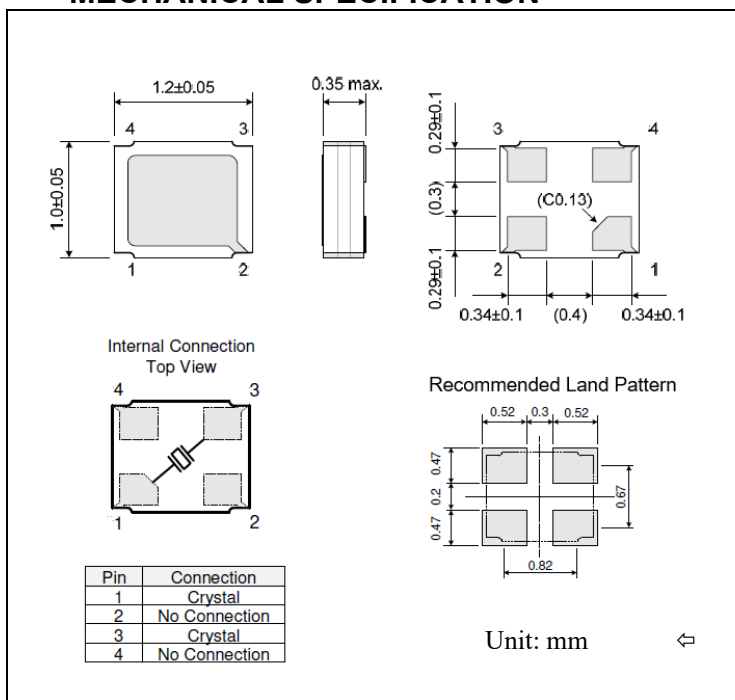
RT1210B-32.768-4-TR-NS1

● SPECIFICATIONS

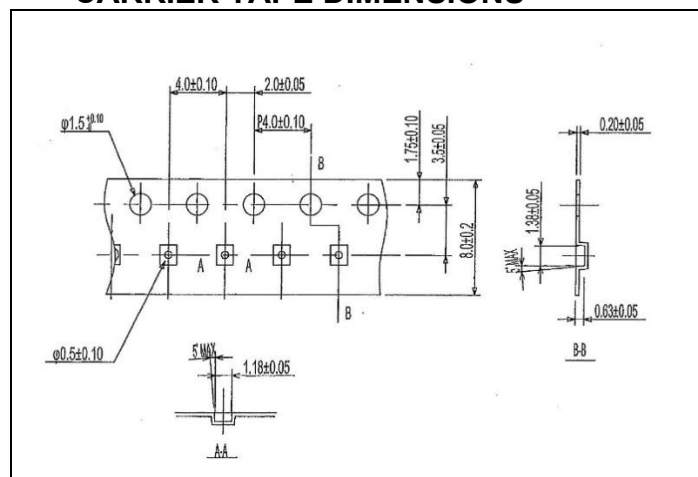
PARAMETER	VALUE
NOMINAL FREQUENCY	32.768 kHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C ± 3°C	±20 ppm max
TURNOVER TEMPERATURE	+25 ± 5°C
TEMPERATURE COEFFICIENT	-0.03±0.01 ppm/ °C2
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C
LOAD CAPACITANCE	4 pF
EQUIVALENT SERIES RESISTANCE	90 kΩ max
MOTIONAL CAPACITANCE	7.0 fF typ
SHUNT CAPACITANCE	1.5 pF typ
DRIVE LEVEL	0.5 μw max
REFLOW CONDITIONS	260°C ± 10°C for 10 sec max



● MECHANICAL SPECIFICATION



● CARRIER TAPE DIMENSIONS

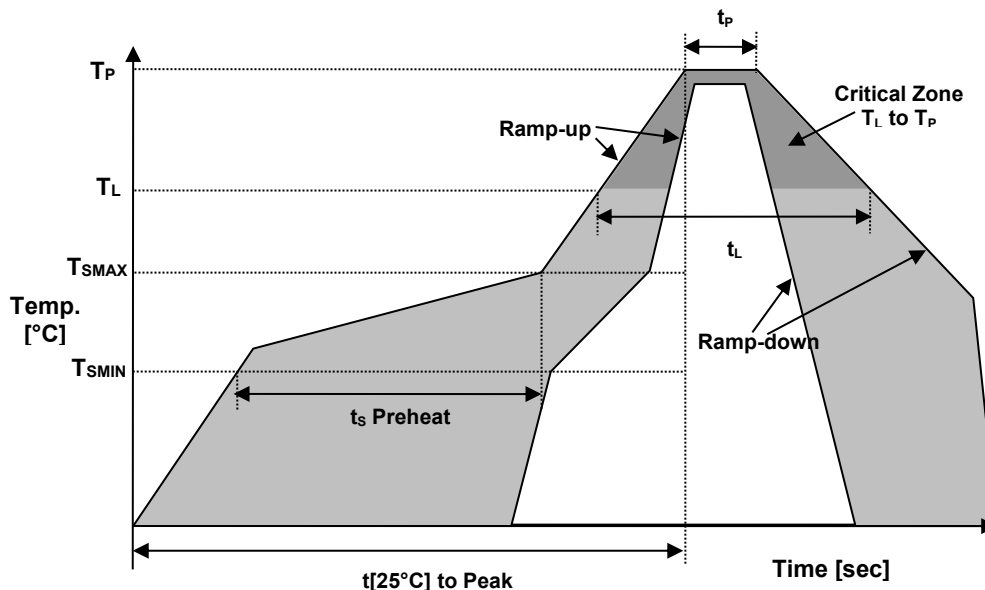


NOTE: REFER TO EIA-481 FOR DIMENSIONS

● PACKAGING

180 mm REEL DIAMETER
8 mm TAPE WIDTH, 4mm PITCH
QUANTITY: 5000 PIECES PER REEL
IN ACCORDANCE WITH EIA-481

REFLOW PROFILE



Reflow profile (Reference IPC/JEDEC J-STD-020)		
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	$t[25^\circ\text{C}] \text{ to Peak}$	480 sec.
Time	t_L	60-150 sec.

ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant
TERMINATION FINISH	Au



APPROVAL

Drawn By:	AR, June 09, 2025
Approved By:	CP, June 09, 2025
Revision:	A, Initial Release

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