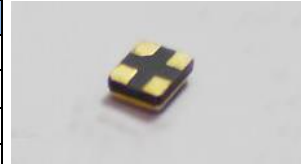


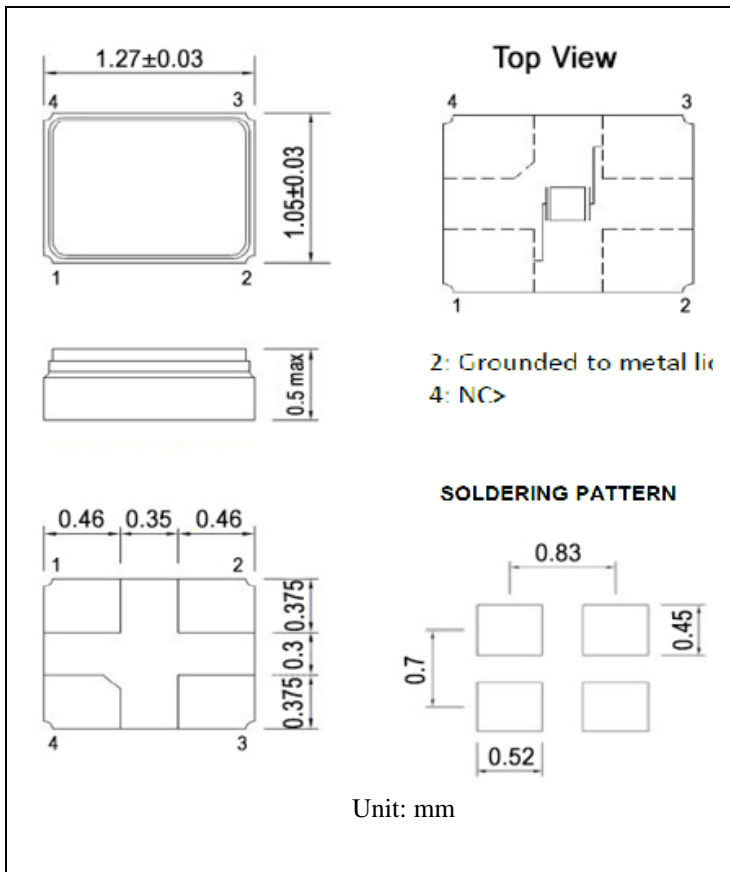
RT1210B-32.768-6-TR-NS3

● SPECIFICATIONS

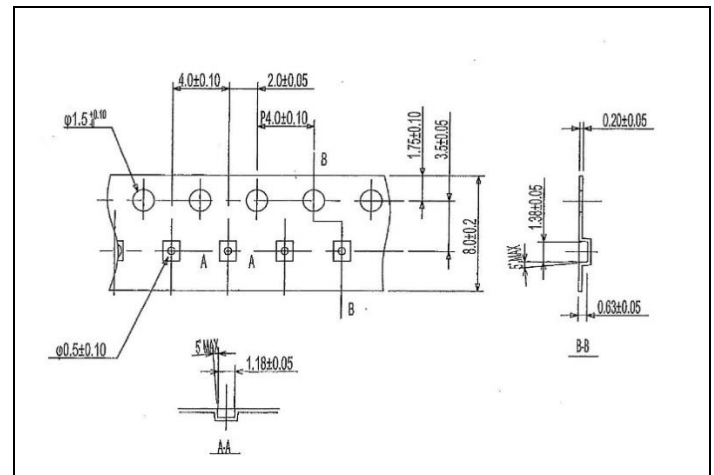
PARAMETER	VALUE
NOMINAL FREQUENCY	32.768 kHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C ± 3°C	±20 ppm max
TURNOVER TEMPERATURE	+25 ± 5°C
TEMPERATURE COEFFICIENT	-0.036 ppm/ °C2 max
OPERATING TEMPERATURE RANGE	-20°C to +70°C ↔
STORAGE TEMPERATURE RANGE	-55°C to +125°C
AGING AT 25°C ± 3°C	±5 ppm first year max
LOAD CAPACITANCE	6 pF
EQUIVALENT SERIES RESISTANCE	90 kΩ max
Q VALUE	8,000 typ
SHUNT CAPACITANCE	1.4 typ
DRIVE LEVEL	0.1 typ / 0.3µw max
INSULATION RESISTANCE	500MΩ @ 100VDC min
REFLOW CONDITIONS	260°C ± 10°C for 10 sec max



● MECHANICAL SPECIFICATION



● CARRIER TAPE DIMENSIONS

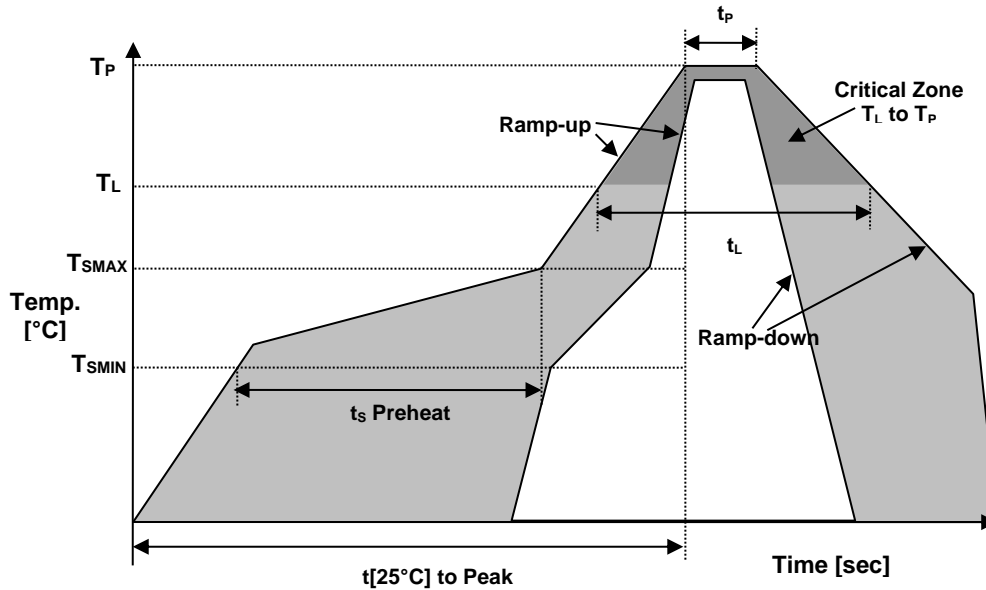


NOTE: REFER TO EIA-481 FOR DIMENSIONS

● 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	$t_{[25^\circ\text{C}]}$ 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, December 03, 2024
Approved By:	CP, December 03 2024
Revision:	A, Initial Release

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