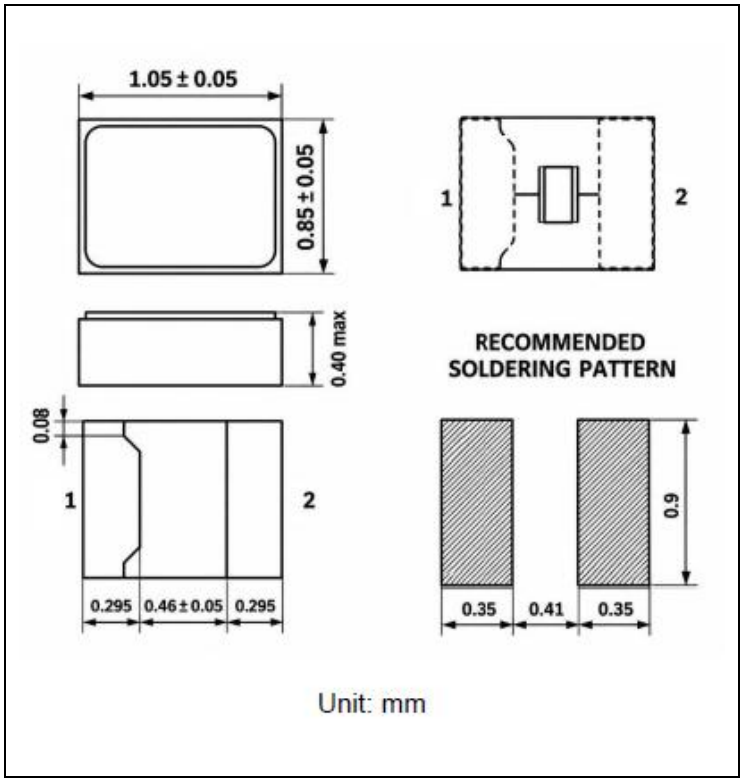
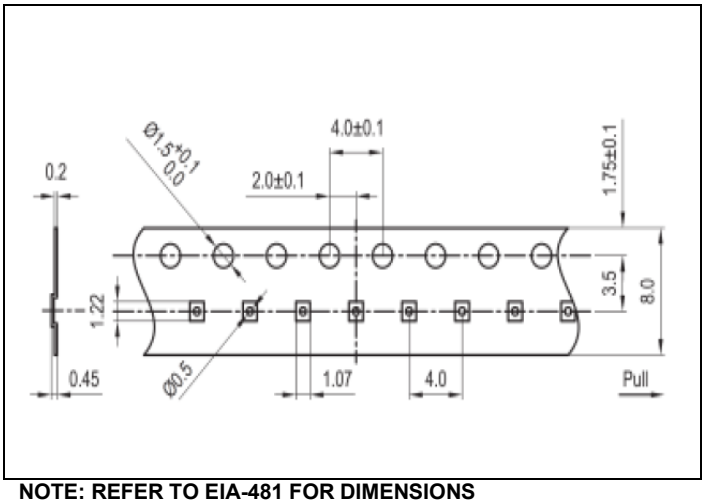
RT1008-32.768-12.5-TR

ELECTRICAL SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	32.768 kHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±20 ppm max
TURNOVER TEMPERATURE	25°C ± 5°C
FREQUENCY STABILITY OVER TEMPERATURE	-0.036 ppm / °C2 typ
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-55°C to +125°C
AGING	±5 ppm first year max
LOAD CAPACITANCE	12.5 pF
EQUIVALENT SERIES RESISTANCE	90 kΩ max
SHUNT CAPACITANCE	1.20 pF typ
DRIVE LEVEL	0.3 µW max
INSULATION RESISTANCE	500 MΩ min @100V DC±15V

MECHANICAL SPECIFICATION



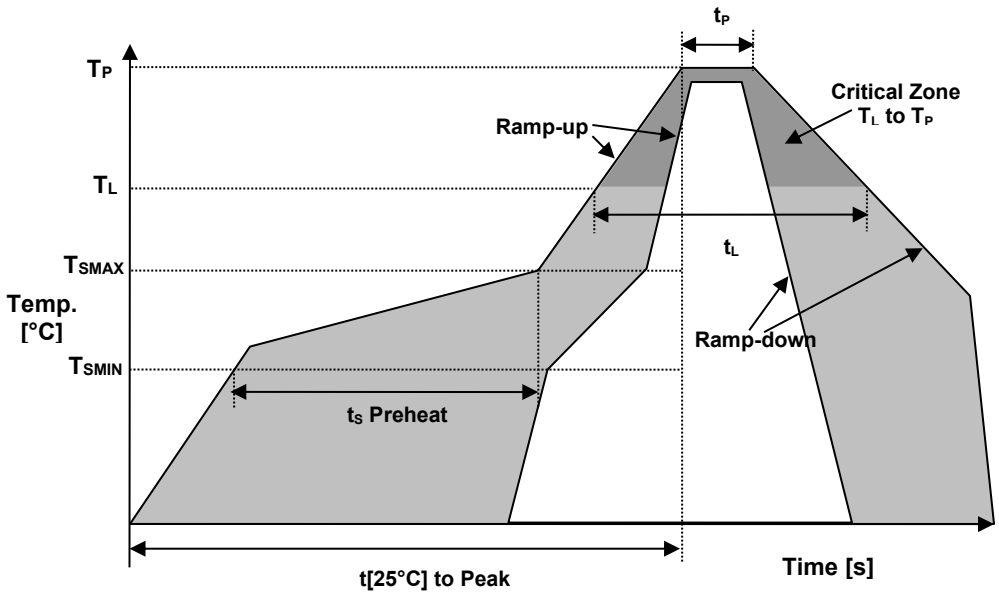


NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

180 mm REEL DIAMETER
8 mm TAPE WIDTH, 4mm PITCH
QUANTITY: 3000 PIECES PER REEL

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/s max.
Ramp-down rate	R_{DOWN}	6°C/s max.
Time within 5°C of Peak Temperature	t_P	10 s
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 s
Time	t_L	60-150 s

ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant
ESD CLASSIFICATION LEVEL	N/A

APPROVAL

RALTRON			
	Date	Name	Signed
DRAWN BY:	November 5, 2026	JS	
APPROVED BY:	November 5, 2026	AR	
REVISION:	B, Updated to current spec level		

REVISION HISTORY

Rev	Description	Date	Drawn by	Approved by
A	Initial Release	September 12, 2025	JS	CP
B	Updated to current spec level	November 5, 2026	JS	AR

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