

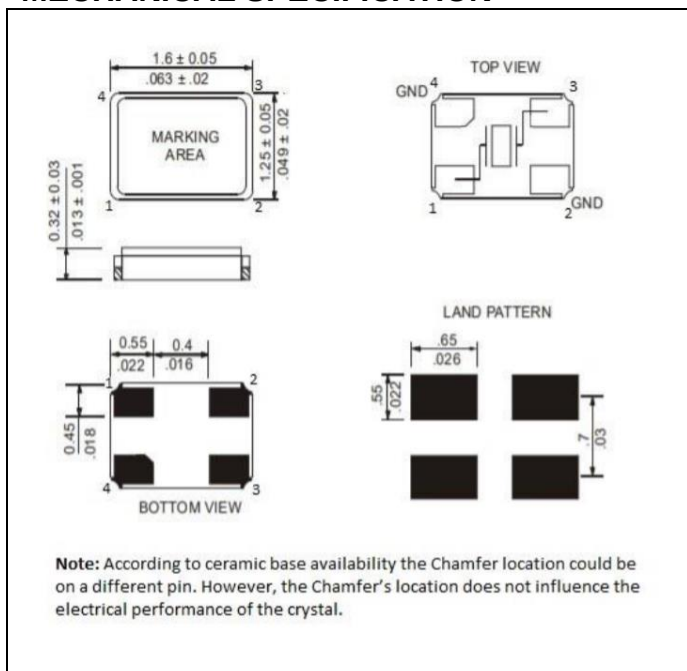
R1612-24.000-8-1010-EXT-TR-NS2

SPECIFICATIONS

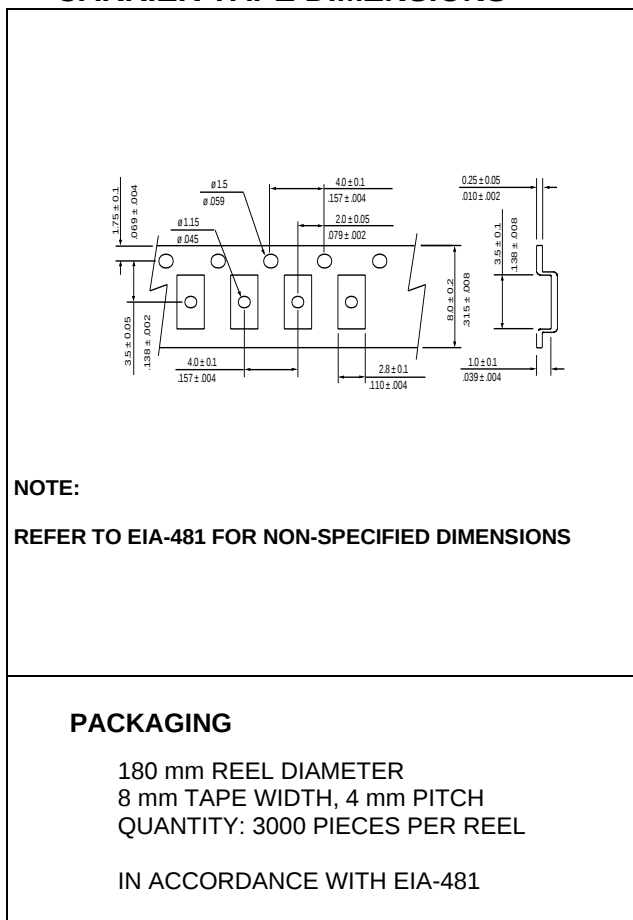
PARAMETER		VALUE
NOMINAL FREQUENCY		24.000 MHz
MODE OF OSCILLATION		Fundamental
FREQUENCY TOLERANCE AT 25°C		±10 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	@ -30°C ~ +85°C	±10 ppm max
	@ -40°C ~ -30°C	±15 ppm max
OPERATING TEMPERATURE RANGE		-40°C to +85°C
STORAGE TEMPERATURE RANGE		-40°C to +85°C
AGING		±2 ppm first year max
LOAD CAPACITANCE		8 pF
EQUIVALENT SERIES RESISTANCE		100 Ω max ⇄
SHUNT CAPACITANCE		3.5 pF max
DRIVE LEVEL		50 μW max
REFLOW CONDITIONS		260°C for 10 sec max



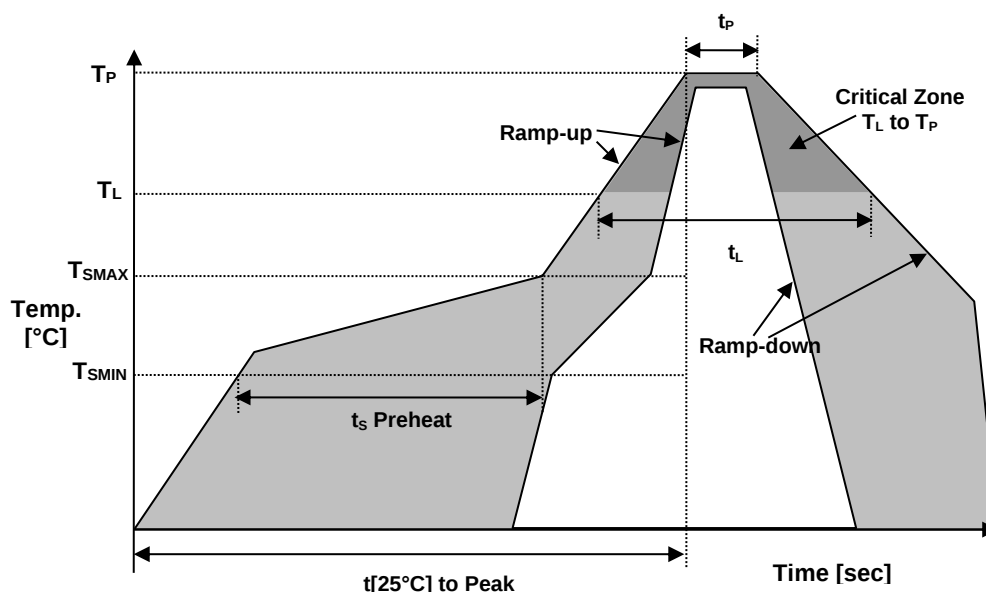
MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



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°C] to Peak Temperature	t[25°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	Au



MARKING

R240
xx8Eyw

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

YEAR CODE	
Year	Code
2019	9
2020	0
2021	1
2022	2
2023	3
2024	4
2025	5
2026	6
2027	7
2028	8
2029	9

ALPHA WEEK CODE TABLE					
Week	Code	Week	Code	Week	Code
1	a	19	s	37	K
2	b	20	t	38	L
3	c	21	u	39	M
4	d	22	v	40	N
5	e	23	w	41	O
6	f	24	x	42	P
7	g	25	y	43	Q
8	h	26	z	44	R
9	i	27	A	45	S
10	j	28	B	46	T
11	k	29	C	47	U
12	l	30	D	48	V
13	m	31	E	49	W
14	n	32	F	50	X
15	o	33	G	51	Y
16	p	34	H	52	Z
17	q	35	I		
18	r	36	J		

APPROVAL

DRAWN BY:	KJ, March 21, 2024
APPROVED BY:	JL, March 21, 2024
REVISION:	A, Initial Release

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