

● **SPECIFICATIONS**

PARAMETER	VALUE
NOMINAL FREQUENCY	40.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±07 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±20 ppm max
OPERATING TEMPERATURE RANGE	-20°C to +90°C ↕
STORAGE TEMPERATURE RANGE	-40°C to +105°C ↕
AGING	±1 ppm per year max ↕
LOAD CAPACITANCE	11.5 pF
EQUIVALENT SERIES RESISTANCE	30 Ω max ↕
SHUNT CAPACITANCE	3 pF max ↕
DRIVE LEVEL	100 μW max
INSULATION RESISTANCE	500 MΩ min

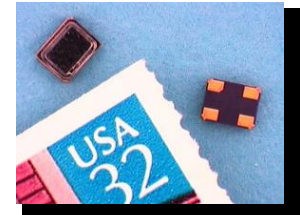
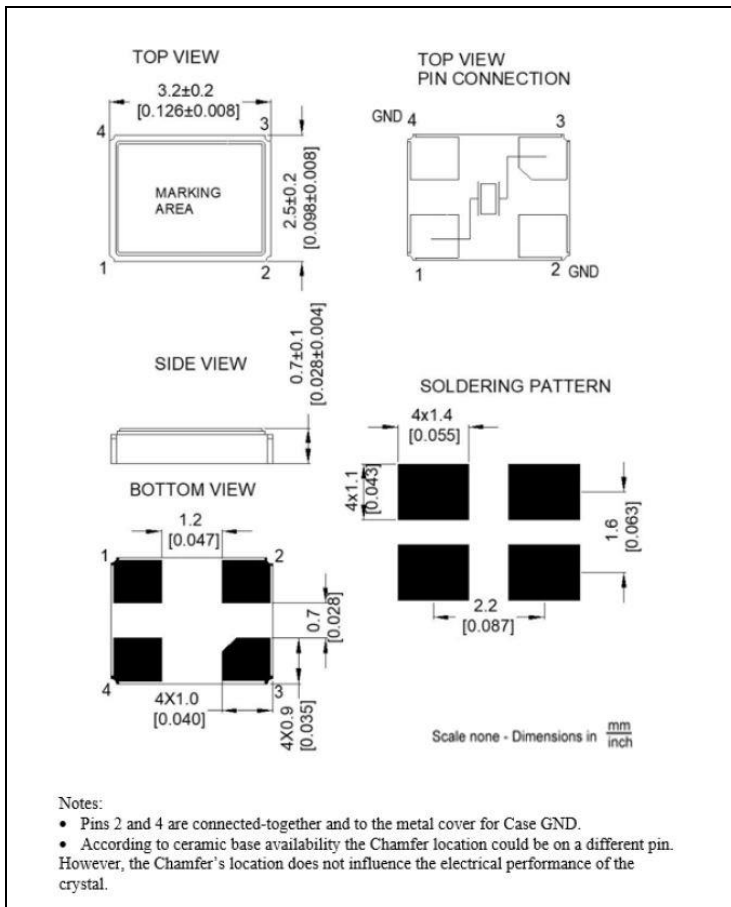
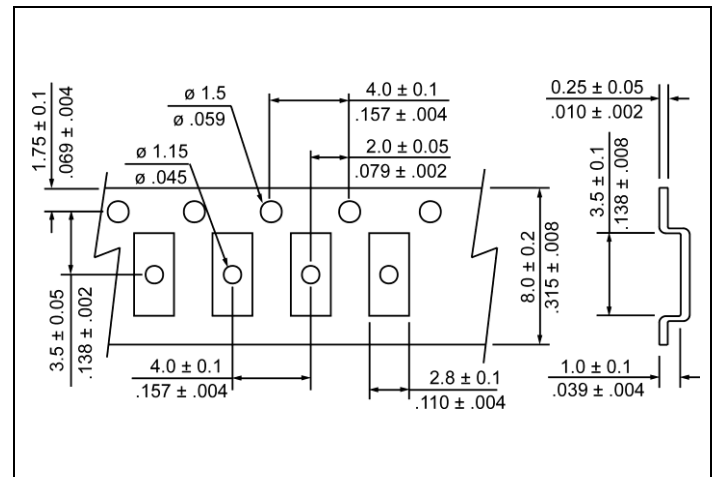


Photo is not actual part

● **MECHANICAL SPECIFICATION**



● **CARRIER TAPE DIMENSIONS**



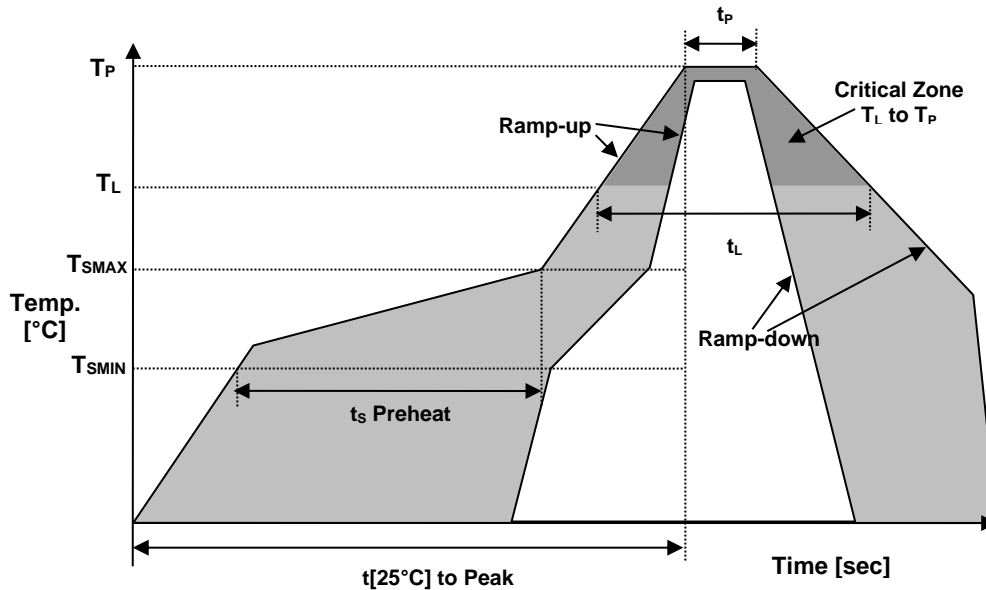
NOTE: REFER TO EIA-481 FOR DIMENSIONS

● **PACKAGING**

178 mm REEL DIAMETER
 8 mm TAPE WIDTH, 4 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	Compliant
REACH SVHC	Compliant
HALOGEN-FREE	Compliant
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



● MARKING

R40.00
xx5Nyw

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	F. Parra, 24 March 2015
APPROVED BY	F. Parra, 24 March 2015
REVISION	A, Initial Release
	B, Updated to current spec levels KJ 4/4/18
	C, Updated to current spec levels AR 3/19/2021

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