

- SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	13.560 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±10 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±10 PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-20°C TO +70°C
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING	±5 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE	18 pF
EQUIVALENT SERIES RESISTANCE	50 Ω MAXIMUM ⇐
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	500 μW MAXIMUM

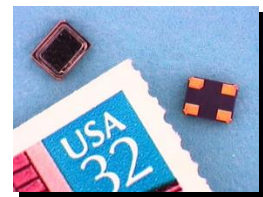
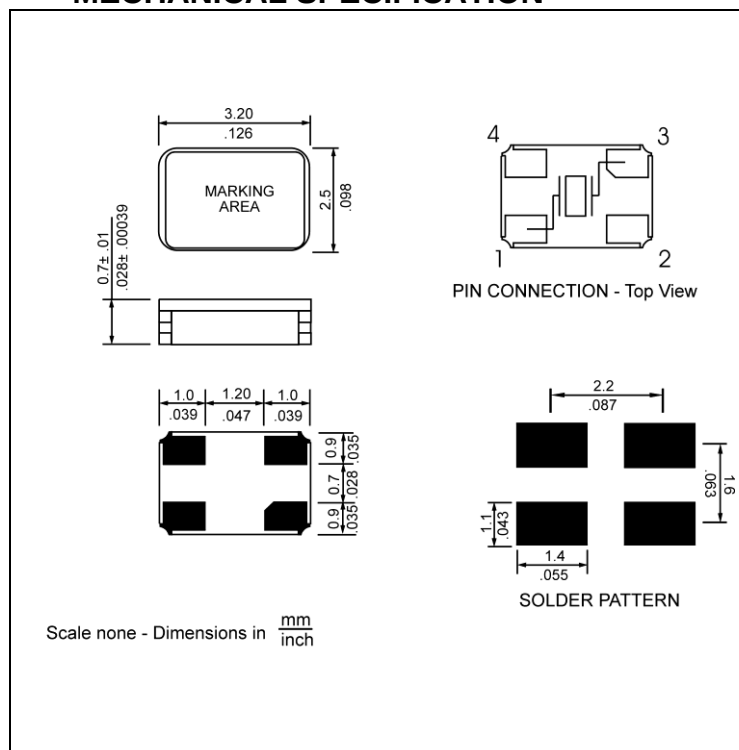
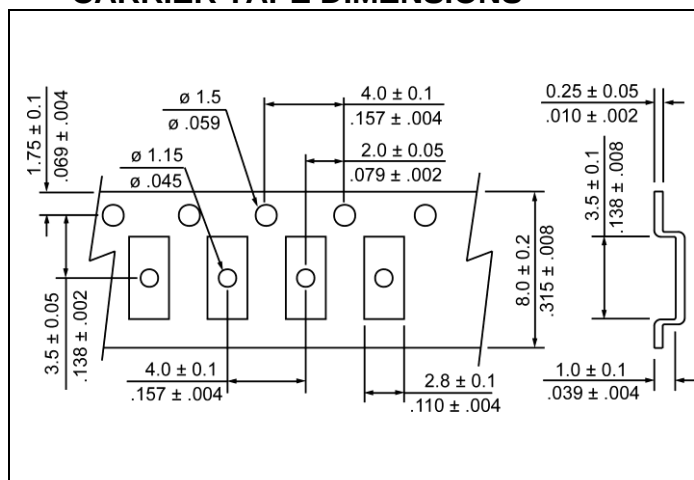


Photo is not actual part

- **MECHANICAL SPECIFICATION**



- **CARRIER TAPE DIMENSIONS**

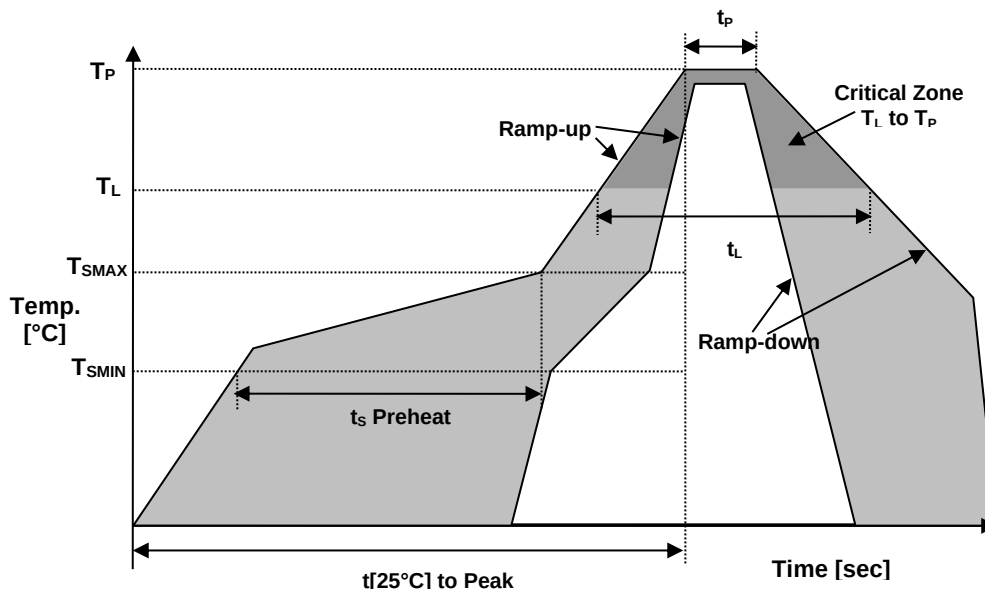


NOTE: REFER TO EIA-481 FOR DIMENSIONS

- **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 _S MIN	125°C
Temperature Max Preheat	T _S MAX	150°C
Time (T _S MIN to T _S MAX)	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-2	6/6 COMPLIANT & LEAD FREE
REACH SVHC	COMPLIANT
HALOGEN-FREE	COMPLIANT
ESD CLASSIFICATION LEVEL	N/A
TERMINATION FINISH	Au



● MARKING

R13.56

xxBEyw

x – Internal Production ID code

y – Year code

w – Week code

YEAR CODE	
Year	Code
2011	1
2012	2
2013	3
2014	4
2015	5
2016	6
2017	7
2018	8
2019	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	KJackson, November 2, 2016
APPROVED BY	KJackson, November 2, 2016
REVISION	A, Initial Release

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