

- **SPECIFICATIONS**

PARAMETER	VALUE
FREQUENCY RANGE	30.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±20 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±20 PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-20°C TO +70°C STANDARD
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING	±3 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE	20 pF
EQUIVALENT SERIES RESISTANCE	50 Ω
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	300 μW TYPICAL, 500 μW MAXIMUM

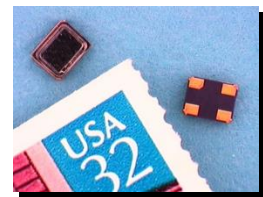
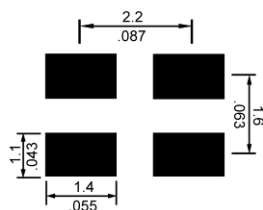
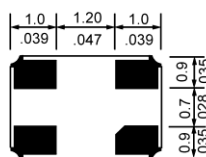
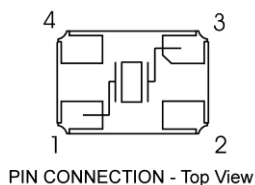
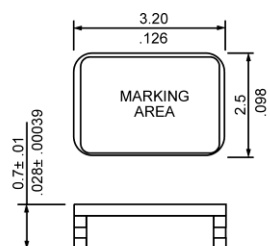


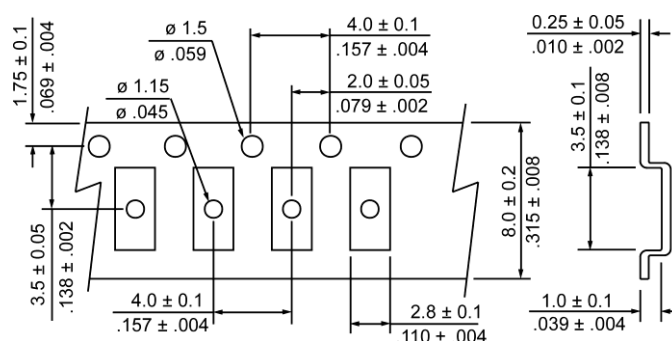
Photo is not actual part

- **MECHANICAL SPECIFICATION**



Scale none - Dimensions in $\frac{\text{mm}}{\text{inch}}$

- **CARRIER TAPE DIMENSIONS**

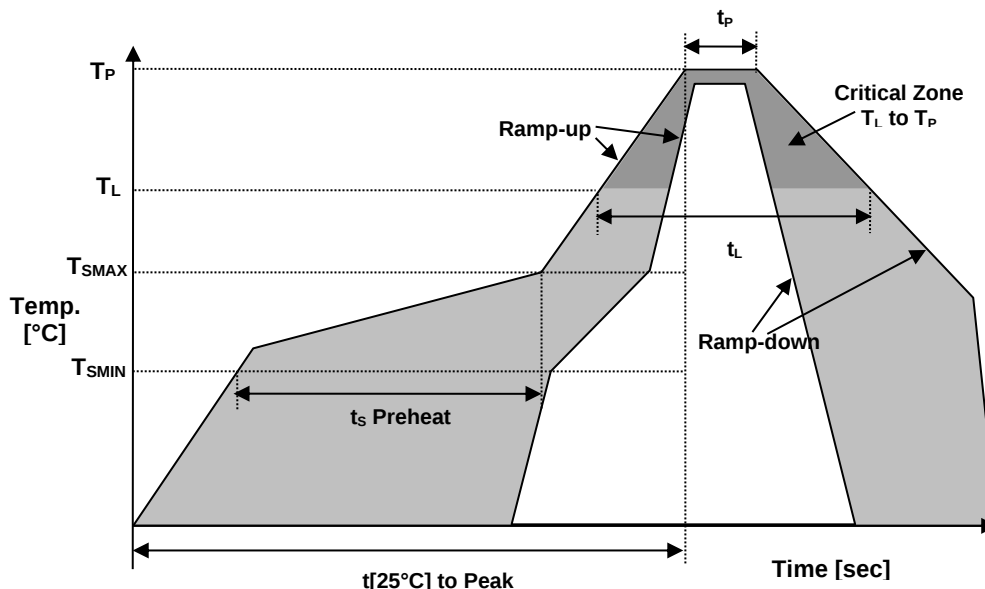


NOTE: REFER TO EIA-481 FOR DIMENSIONS

- **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	$T_{S\text{MIN}}$	125°C
Temperature Max Preheat	$T_{S\text{MAX}}$	150°C
Time ($T_{S\text{MIN}}$ to $T_{S\text{MAX}}$)	t_s	30-60 sec.
Temperature	T_L	217°C
Peak Temperature	T_P	245°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	120 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





A RAMI TECHNOLOGY Company

SURFACE MOUNT MICROPROCESSOR CRYSTAL

Page 3 of 3

RH100-30.000-20-F-2020-TR

● MARKING

R30.00

xxADyw

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	CP, January 09, 2015
APPROVED BY	CP, January 09, 2015
REVISION	A, Initial Release

Raltron Electronics/RAMI Technology USA, LLC, including its affiliates, employees, agents and other persons acting on its behalf (collectively Raltron/RAMI Tech), disclaim any and all liability for any errors or inaccuracies contained in this data sheet. While Raltron/RAMI Tech has made every reasonable effort to ensure the accuracy of all product information, specifications and data contained herein, Raltron/RAMI Tech does not guarantee that the information is accurate, reliable or current. The product information is provided for reference purposes only and is subject to change, correction or revision, at any time without notice. Raltron/RAMI Tech does not assume any liability arising out of an application or use of any product described herein and disclaims any warranties expressed or implied. The user of products in such applications shall assume all risks of such use and will agree to hold Raltron/RAMI Tech, harmless against all damages.