

**RH100-16.000-12-1010-EXT-TR**

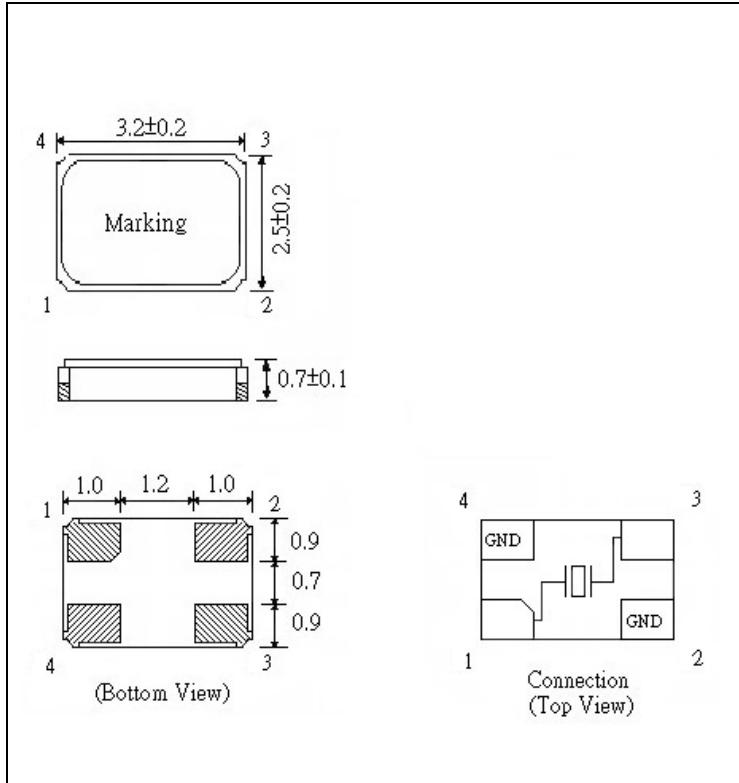
### ● SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	16.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	$\pm 10$ ppm max
FREQUENCY STABILITY OVER TEMPERATURE	$\pm 10$ ppm max
OPERATING TEMPERATURE RANGE	-40°C to +85°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C
AGING	$\pm 2$ ppm per year max
LOAD CAPACITANCE	12 pF
EQUIVALENT SERIES RESISTANCE	70 $\Omega$ max
SHUNT CAPACITANCE	3.5 pF max
DRIVE LEVEL	200 $\mu$ W max

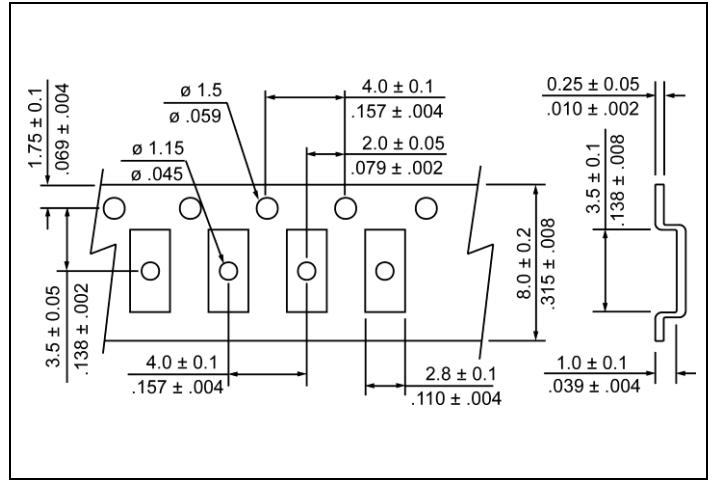


Photo is not actual part

### ● MECHANICAL SPECIFICATION



### ● CARRIER TAPE DIMENSIONS



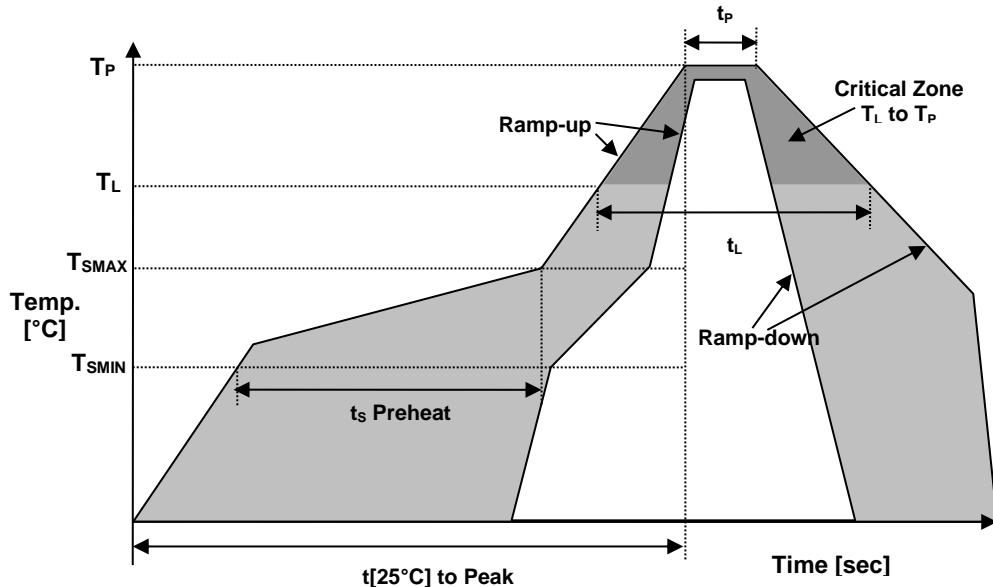
NOTE: REFER TO EIA-481 FOR DIMENSIONS

### ● PACKAGING

178 mm REEL DIAMETER  
8 mm TAPE WIDTH, 4 mm PITCH  
QUANTITY: 3000 PIECES PER REEL  
IN ACCORDANCE WITH EIA-481

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### • 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 $t[25^\circ\text{C}] \text{ to Peak}$		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



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## ● MARKING

 R16.00  
 xxJEyw

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	JH, January 31, 2019
APPROVED BY	CP, January 31, 2019
REVISION	A, Initial Release

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