RH100-30.000-12-F-3030-TR

SPECIFICATIONS

PARAMETER	VALUE
FREQUENCY RANGE	30.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±30 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±30 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	12 pF
EQUIVALENT SERIES RESISTANCE	50 Ω
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	300 µW TYPICAL, 500 µW MAXIMUM

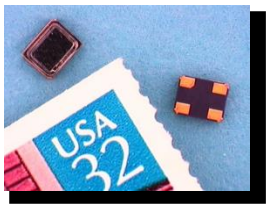
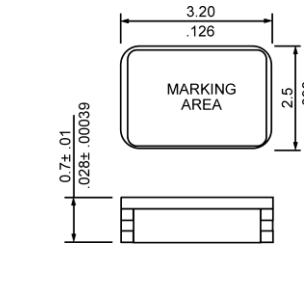
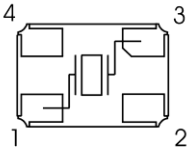


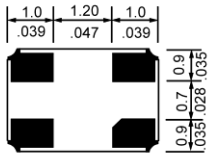
Photo is not actual part

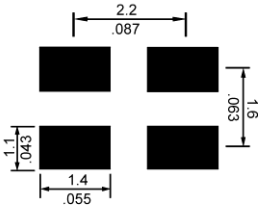
MECHANICAL SPECIFICATION





PIN CONNECTION - Top View

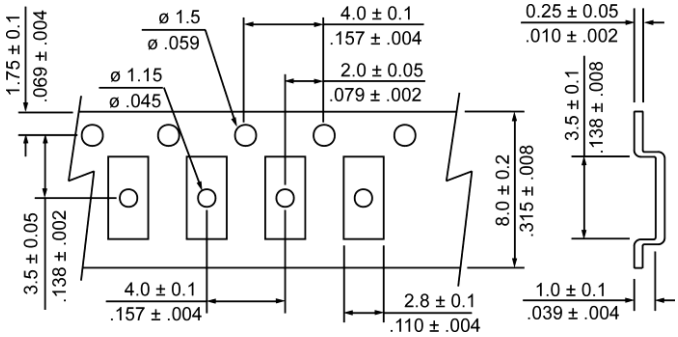




SOLDER PATTERN

Scale none - Dimensions in mm / inch

CARRIER TAPE DIMENSIONS



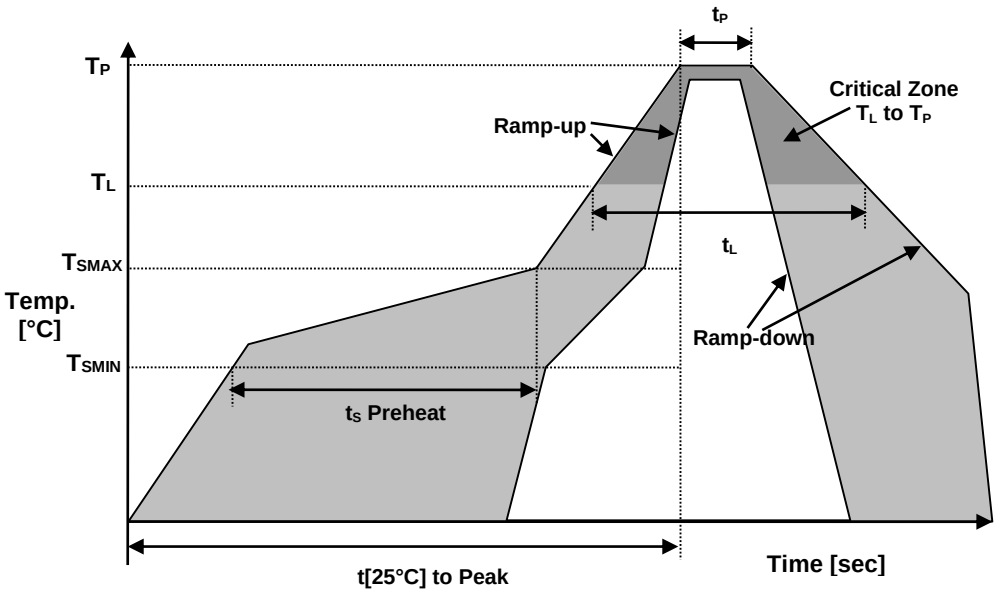
NOTE: REFER TO EIA-481 FOR DIMENSIONS

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_{SMIN}	125°C
Temperature Max Preheat	T_{SMAX}	150°C
Time (T_{SMIN} to T_{SMAX})	t_S	30-60 sec.
Temperature	T_L	217°C
Peak Temperature	T_P	230°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	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

RoHS Compliant

MARKING

R30.00
xxACyw

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, December 16, 2014
APPROVED BY	KJackson, December 16, 2014
REVISION	A, Initial Release

Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Raltron Electronics:

RH100-16.000-16-5050-TR AS-20.000-20-SMD-TR CL2520-156.250-1.8-20-X-T-TR-N1
CO4305-20.000-EXT-T-TR CO4305-10.000-EXT-T-TR H130A-25.000-18-F-2030-EXT-TR
RTXE-104ED333-C-12.800-TR AS-24.000-18 AS-27.000-20-F RH100-12.000-18-2020-TR
RH100-40.000-10-F-2020-EXT-TR TT-SMDC-3.6864-S-TR AS-20.000-20 CO4605-125.000-EXT-T-TR
RH100-20.000-18-2020-TR RH100-40.000-18-F-2030-EXT-TR-NS1 H130A-8.000-8-2030-TR
R2016-48.000-7-F-1020-TR-NS1 H130A-24.000-18-2030-EXT-TR H130B-12.000-18-3030-TR
H130B-16.000-18-3030-EXT-TR RH100-16.384-16-2020-EXT-TR-NS1 RH100-48.000-10-F-1015-EXT-TR
RH100-48.000-8-F-1015-EXT-TR AS-10.000-18-SMD AS-14.7456-20-SMD-TR AS-3.6864-18-SMD
AS-8.000-18 CO4605-66.000-EXT-T-TR R2520-16.384-10-2030-EXT-TR-NS1