R2520-16.000-12-3030-EXT-TR

SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	16.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±30 PPM MAXIMUM
FREQUENCY STABILITY OVER TEMPERATURE	±30 PPM MAXIMUM
OPERATING TEMPERATURE RANGE	-40°C TO +85°C
STORAGE TEMPERATURE RANGE	-40°C TO +85°C
AGING	±3 PPM PER YEAR
LOAD CAPACITANCE	12 pF
EQUIVALENT SERIES RESISTANCE	90 Ω
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	200 µW MAXIMUM
SHOCK RESISTANCE	±5 PPM MAXIMUM 75 cm DROP TEST ONTO A HARD WOOD SURFACE
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM

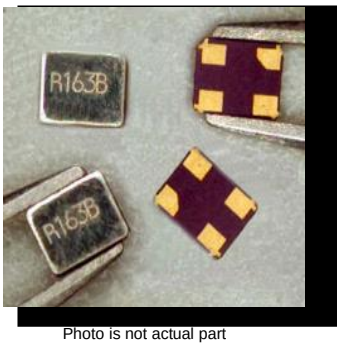
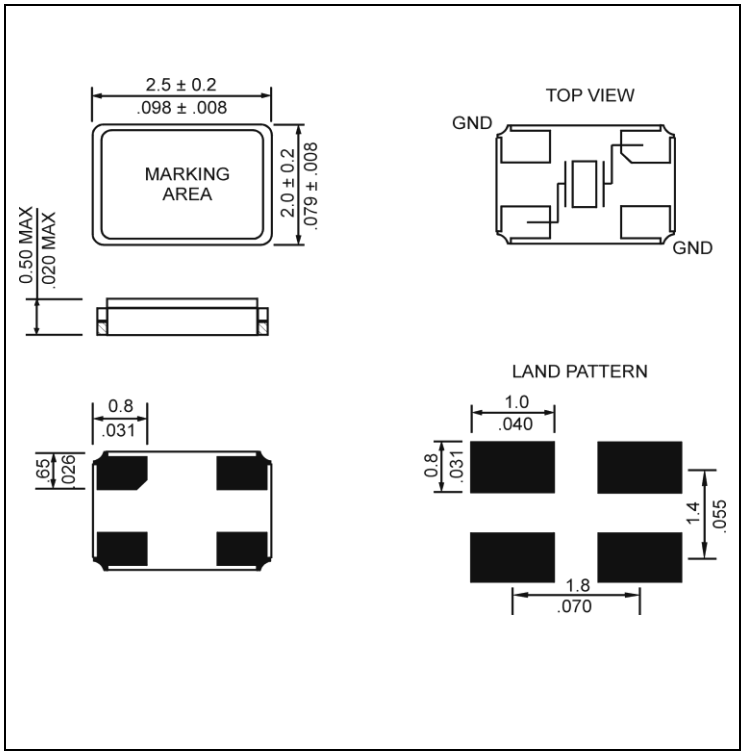
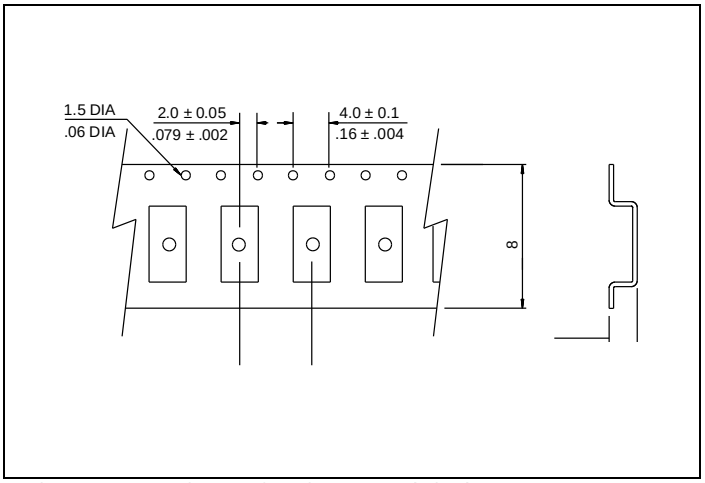


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



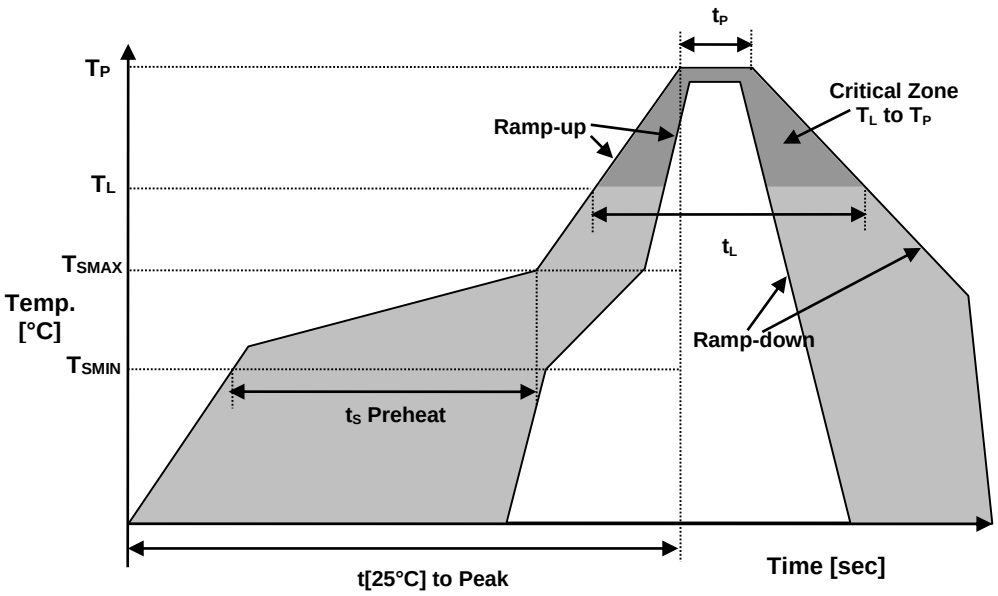
NOTE: REFER TO EIA-481 FOR DIMENSIONS

- **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_{SMIN}	150°C
Temperature Max Preheat	T_{SMAX}	200°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°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

R16.00
xxJyw

xx – 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, May 3, 2016
APPROVED BY	KJackson, May 3, 2016
REVISION	A, Initial Release

Unikeyic Electronics

Global Electronic Components Distributor

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

Raltron Electronics:

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