AS-10.000-20-3030-SMD-TR

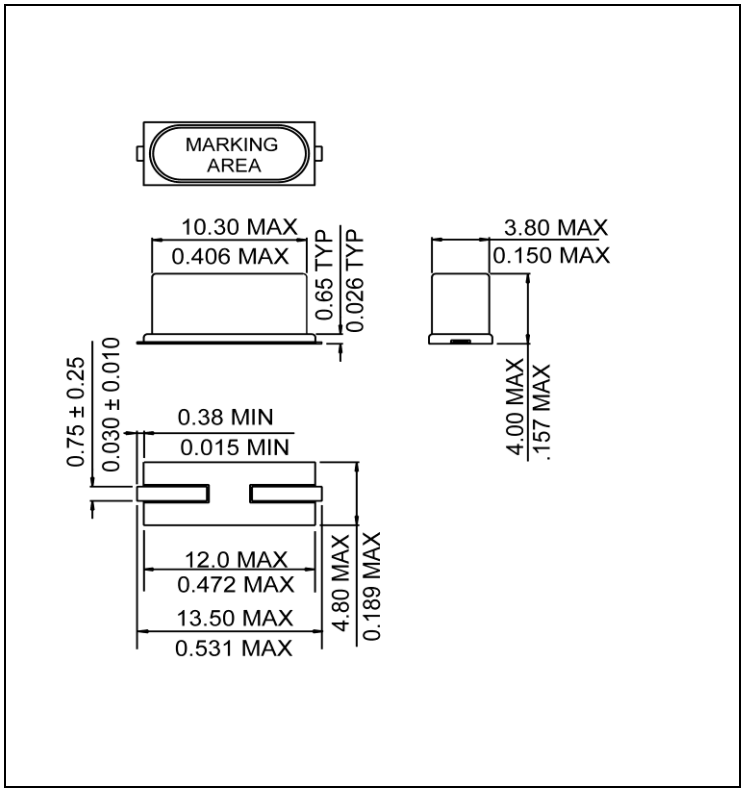
SPECIFICATIONS

PARAMETER	VALUE
NOMINAL FREQUENCY	10.000 MHz
MODE OF OSCILLATION	FUNDAMENTAL
FREQUENCY TOLERANCE AT 25°C	±30 PPM
FREQUENCY STABILITY OVER TEMPERATURE	±30 PPM
OPERATING TEMPERATURE RANGE	-20°C TO +70°C
STORAGE TEMPERATURE RANGE	-40°C TO +90°C
AGING	±5 PPM PER YEAR MAXIMUM
LOAD CAPACITANCE	20 pF
EQUIVALENT SERIES RESISTANCE	50 Ω
SHUNT CAPACITANCE	5 pF MAXIMUM
DRIVE LEVEL	100 µW TYPICAL, 500 µW MAXIMUM
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM

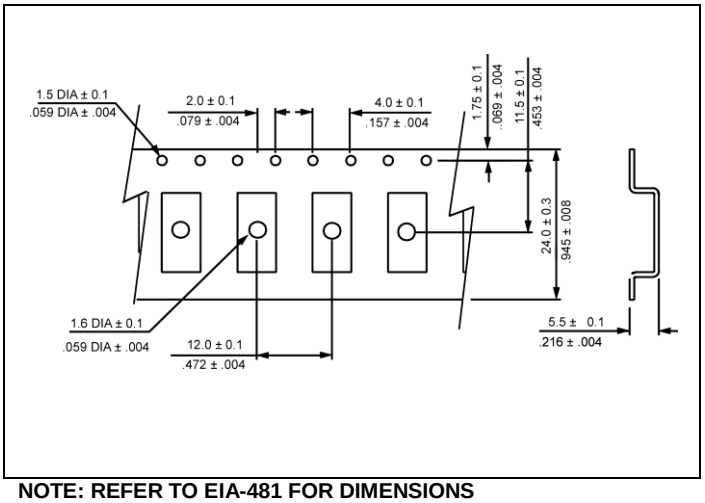


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS

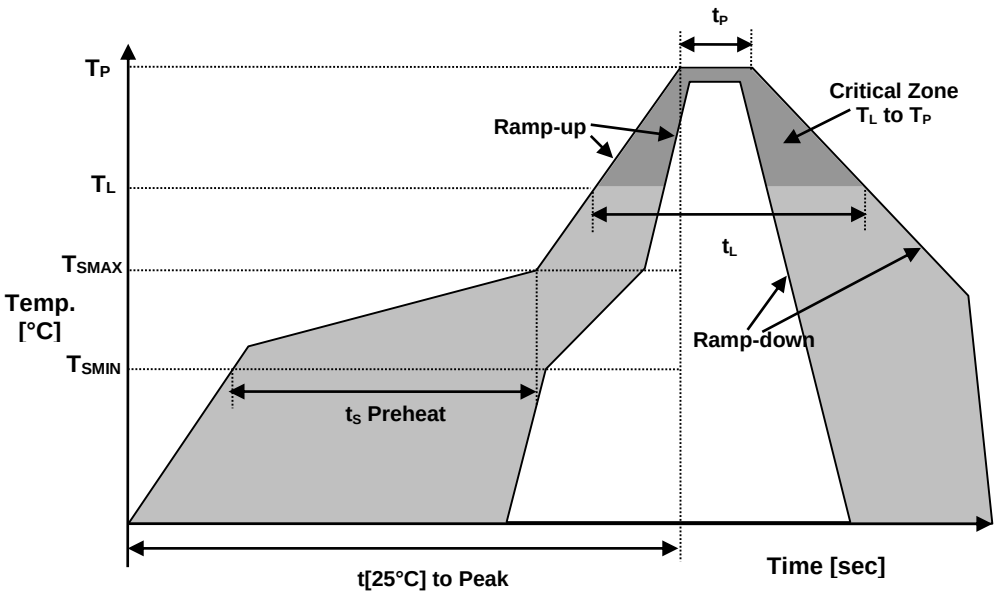


NOTE: REFER TO EIA-481 FOR DIMENSIONS

- **PACKAGING**
  178 mm REEL DIAMETER
  24 mm TAPE WIDTH, 12 mm PITCH
  QUANTITY: 1000 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	Sn

• MARKING

R100xxAyw

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, March 30, 2016
APPROVED BY:	KJackson, March 30, 2016
REVISION:	A, Initial Release

Unikeyic Electronics

Global Electronic Components Distributor

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

Raltron Electronics:

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