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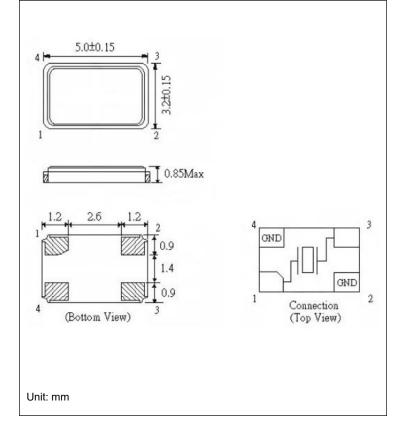
## H130B-11.0592-22-3030-EXT-TR

# • SPECIFICATIONS

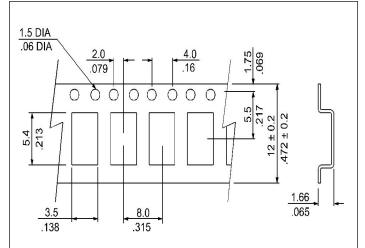
PARAMETER	VALUE
NOMINAL FREQUENCY	11.0592 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±30 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±30 ppm max
OPERATING TEMPERATURE RANGE	-10°C to +60°C
STORAGE TEMPERATURE RANGE	-40°C to +85°C
AGING	±2 ppm per year max
LOAD CAPACITANCE	22 pF
EQUIVALENT SERIES RESISTANCE	100 Ω max
SHUNT CAPACITANCE	5 pF max
DRIVE LEVEL	300 µW max



# MECHANICAL SPECIFICATION



## • CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

#### PACKAGING

178 mm REEL DIAMETER 12 mm TAPE WIDTH, 8 mm PITCH QUANTITY: 1000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481

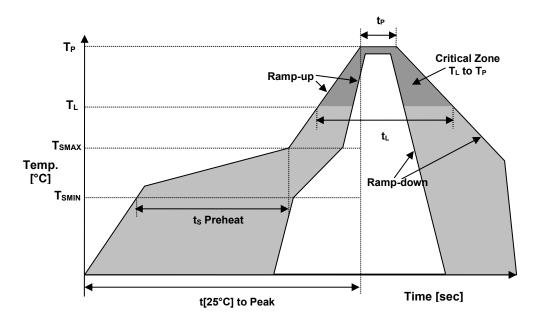


### SURFACE MOUNT MICROPROCESSOR CRYSTAL

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# REFLOW PROFILE



Reflow profile				
Temperature Min Preheat	T <sub>SMIN</sub>	150°C		
Temperature Max Preheat	T <sub>SMAX</sub>	200°C		
Time (T <sub>SMIN</sub> to T <sub>SMAX</sub> )	ts	60-180 sec		
Temperature	TL	217°C		
Peak Temperature	TP	260°C		
Ramp-up rate	R <sub>UP</sub>	3°C/sec max		
Ramp-down rate	R <sub>DOWN</sub>	6°C/sec max		
Time within 5°C of Peak Temperature	t <sub>P</sub>	10 sec.		
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec		
Time	t	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

R11.059 xxHFyw

- x Internal Production ID code
- y Year code
- w-Week code

YEAR CODE		
Year	Code	
2015	5	
2016	6	
2017	7	
2018	8	
2019	9	
2020	0	
2021	1	
2022	2	
2023	3	
2024	4	
2025	5	

	ALPHA WEEK CODE TABLE				
Week	Code	Week	Code	Week	Code
1	а	19	s	37	K
2	b	20	t	38	L
3	с	21	u	39	М
4	d	22	v	40	Ν
5	e	23	w	41	0
6	f	24	х	42	Р
7	g	25	У	43	Q
8	h	26	z	44	R
9	i	27	А	45	S
10	j	28	В	46	Т
11	k	29	С	47	U
12	1	30	D	48	V
13	m	31	Е	49	W
14	n	32	F	50	Х
15	о	33	G	51	Y
16	р	34	Н	52	Z
17	q	35	Ι		
18	r	36	J		

#### APPROVAL

RALTRON		
DRAWN BY:	XLiu, January 31, 2019	
APPROVED BY:	JIvens, January 31, 2019	
REVISION:	A, Initial Release	

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