

SURFACE MOUNT MICROPROCESSOR CRYSTAL

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RH100-32.000-10-F-1010-TR-NS3

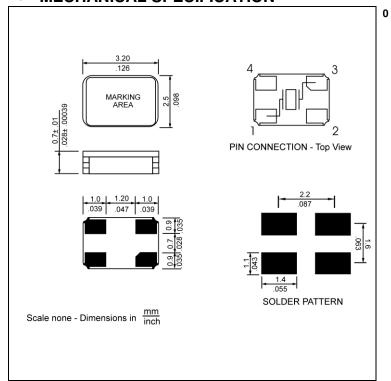
SPECIFICATIONS

PARAMETER	VALUE	
NOMINAL FREQUENCY	32.000 MHz	
MODE OF OSCILLATION	Fundamental	
FREQUENCY TOLERANCE AT 25°C	±10 ppm max	
FREQUENCY STABILITY OVER TEMPERATURE	±10 ppm max	
OPERATING TEMPERATURE RANGE	-20°C to +70°C	
STORAGE TEMPERATURE RANGE	-55°C to +125°C	
AGING ±2 ppm per year max		_
LOAD CAPACITANCE	10 pF	
EQUIVALENT SERIES RESISTANCE	20 Ω typ, 40 Ω max \Leftarrow	
SHUNT CAPACITANCE	1.4 pF typ, 5 pF max ←	3
DRIVE LEVEL	10 μW typ, 100 μW max)

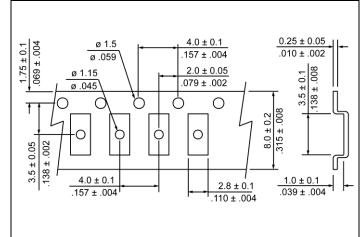


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

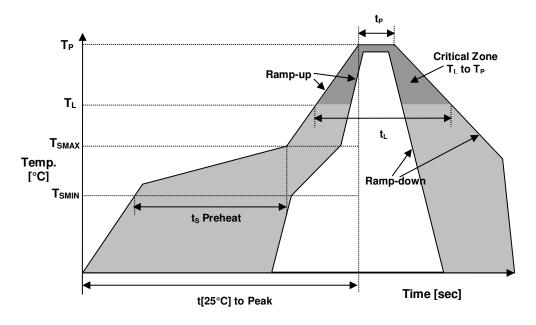
178 mm REEL DIAMETER 8 mm TAPE WIDTH, 4 mm PITCH QUANTITY: 3000 PIECES PER REEL

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})	ts	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₽	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

R32.00 xxKEyw

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	О
6	f	24	X	42	P
7	g	25	у	43	Q
8	h	26	Z	44	R
9	i	27	A	45	S
10	j	28	В	46	T
11	k	29	C	47	U
12	1	30	D	48	V
13	m	31	E	49	W
14	n	32	F	50	X
15	О	33	G	51	Y
16	р	34	Н	52	Z
17	q	35	I		
18	r	36	J		

APPROVAL

DRAWN BY	KJackson, May 11, 2015
APPROVED BY	KJackson, May 11, 2015
REVISION	A, Initial Release
	B, Updated to current spec levels KJ 10/24/18

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