

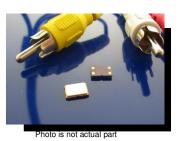
SURFACE MOUNT MICROPROCESSOR CRYSTAL

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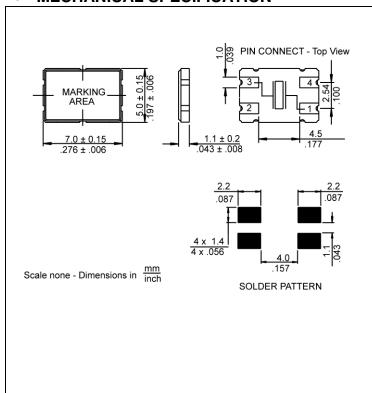
H13-30.000-18-F-TR

SPECIFICATIONS

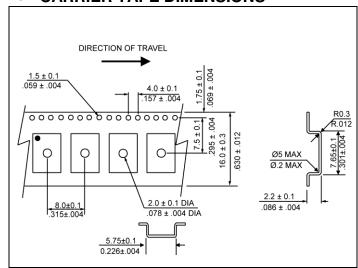
PARAMETER	VALUE
FREQUENCY RANGE	30.000 MHz
MODE OF OSCILLATION	Fundamental
FREQUENCY TOLERANCE AT 25°C	±50 ppm max
FREQUENCY STABILITY OVER TEMPERATURE	±50 ppm max
OPERATING TEMPERATURE RANGE	-10°C to +60°C Standard
STORAGE TEMPERATURE RANGE	-40°C to +85°C
AGING	±5 ppm per year max
LOAD CAPACITANCE	18 pF
EQUIVALENT SERIES RESISTANCE	$35 \Omega \max$
SHUNT CAPACITANCE	7 pF max
DRIVE LEVEL	1 μW typ, 100 μW max
INSULATION RESISTANCE	500 MΩ min



MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

255 mm REEL DIAMETER 16 mm TAPE WIDTH, 8 mm PITCH QUANTITY: 1000 PIECES PER REEL

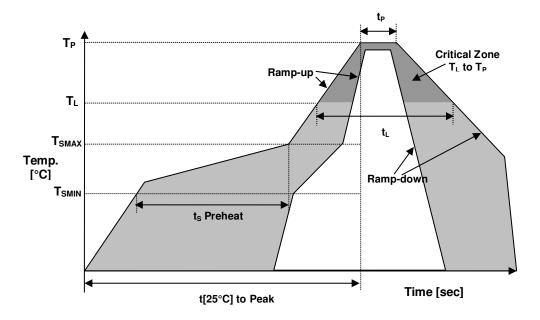
IN ACCORDANCE WITH EIA-481

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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∟	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∟	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

R30.00 xxBByw

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	a	19	s	37	K
2	b	20	t	38	L
3	С	21	u	39	M
4	d	22	v	40	N
5	e	23	w	41	0
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	o	33	G	51	Y
16	p	34	Н	52	Z
17	q	35	I		
18	r	36	J		

APPROVAL

RALTRON	
DRAWN BY:	KJackson, August 26, 2015
APPROVED BY:	KJackson, August 26, 2015
REVISION:	A, Initial Release

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