

R2016-38.400-10-F-1010-TR

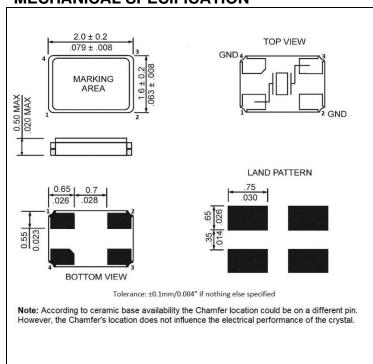
SPECIFICATIONS

PARAMETER	VALUE		
NOMINAL FREQUENCY	38.400 MHz		
MODE OF OSCILLATION	Fundamental		
FREQUENCY TOLERANCE AT 25°C	±10 ppm max		
FREQUENCY STABILITY OVER TEMPERATURE	±10 ppm max		
OPERATING TEMPERATURE RANGE	-10°C to +60°C		
STORAGE TEMPERATURE RANGE	-40°C to +85°C		
AGING	±3 ppm per year max		
LOAD CAPACITANCE	10 pF		
EQUIVALENT SERIES RESISTANCE	180 Ω max		
SHUNT CAPACITANCE	5 pF max		
DRIVE LEVEL	100 μ W max		
SHOCK RESISTANCE	±5 ppm max 75 cm drop test		
SHOOK RESISTANCE	onto a hard wood surface		
REFLOW CONDITIONS	260°C ±5°C for 10 sec max		

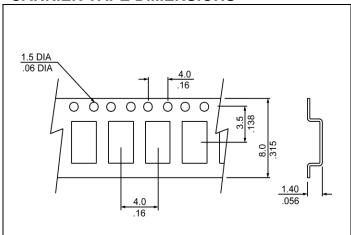


Photo is not actual part

MECHANICAL SPECIFICATION



CARRIER TAPE DIMENSIONS



NOTE: REFER TO EIA-481 FOR DIMENSIONS

PACKAGING

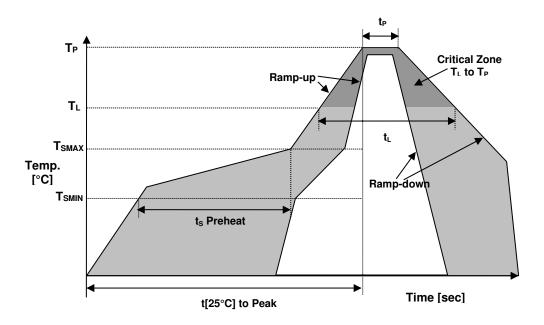
178 mm REEL DIAMETER 8 mm TAPE WIDTH, 4 mm PITCH QUANTITY: 3000 PIECES PER REEL

IN ACCORDANCE WITH EIA-481



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REFLOW PROFILE



Reflow profile				
Temperature Min Preheat	T _{SMIN}	150°C		
Temperature Max Preheat	T _{SMAX}	200°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 _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

R384 KEyw

x – Internal Production ID code

y – Year code

w – Week code

YEAR CODE			
Year	Code		
2019	9		
2020	0		
2021	1		
2022	2		
2023	3		
2024	4		
2025	5		
2026	6		
2027	7		
2028	8		
2029	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	Α	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	Ĭ		

APPROVAL

DRAWN BY:	KJackson, August 24, 2015	
APPROVED BY:	KJackson, August 24, 2015	
	A, Initial Release	
REVISION:	B, Updated to current spec levels KJ 7/5/17	
	C. Updated to current spec levels AR 2/17/2021	

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