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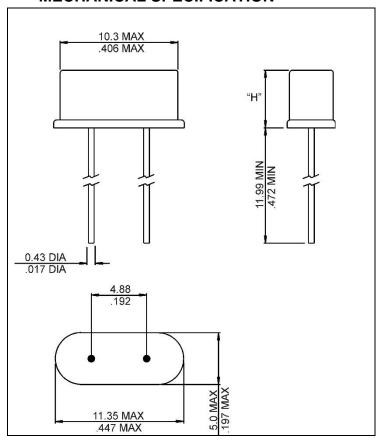
## SPECIFICATIONS

A RAMI TECHNOLOGY Company

PARAMETER	VALUE		
FREQUENCY RANGE	16.000 MHz		
MODE OF OSCILLATION	FUNDAMENTAL		
FREQUENCY TOLERANCE AT 25°C	±30 PPM MAXIMUM		
FREQUENCY STABILITY OVER TEMPERATURE	±50 PPM MAXIMUM		
OPERATING TEMPERATURE RANGE	-20°C TO +70°C STANDARD		
STORAGE TEMPERATURE RANGE	-55°C TO +125°C		
AGING	±5 PPM PER YEAR MAXIMUM		
LOAD CAPACITANCE	18 pF		
EQUIVALENT SERIES RESISTANCE	40 Ω		
SHUNT CAPACITANCE	5 pF MAXIMUM		
DRIVE LEVEL	100 μW TYPICAL, 500 μW MAXIMUM		
REFLOW CONDITIONS	260°C ±5°C FOR 10s MAXIMUM		



## MECHANICAL SPECIFICATION



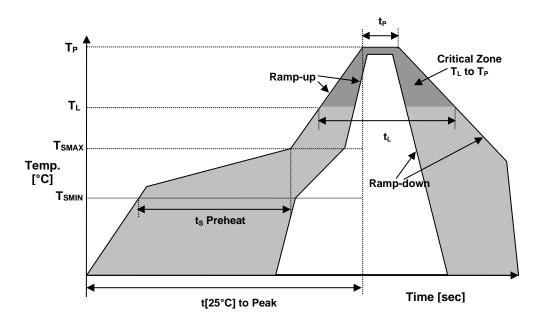
HEIGHT "H" = 3.5 mm



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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> )	t <sub>S</sub>	60-180 sec.	
Temperature	TL	217°C	
Peak Temperature	T <sub>P</sub>	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	tı	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





# LOW PROFILE MICROPROCESSOR CRYSTAL

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### MARKING

R160xxByw

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	0	33	G	51	Y
16	p	34	Н	52	Z
17	q	35	I		
18	r	36	Ĭ		

#### APPROVAL

DRAWN BY:	KJackson, Sept. 18, 2014
APPROVED BY:	KJackson, Sept. 18, 2014
REVISION:	A, Initial Release

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