

ELECTRICAL SPECIFICATION

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT
Nominal Frequency	fo	Ta=25°C	25.000	MHz
Supply voltage, nom.	Vcc	Vcc ±10%	5	V
Supply current, max.	Is	Vcc=5.0 VDC; Ta=+25°C; Load=15 pF CMOS	50	mA
Operating Temperature Range	Ta	-	-0 to +70	°C
Storage Temperature Range	T(stg)	-	-55 ~ 125	°C
Frequency Stability	$\Delta f/f_0$	Inclusive of 25°C Tolerance and Changes due to Operating Temperature, Supply Voltage, Load, Aging, Shock and Vibration	±100	ppm
Output Voltage Levels	V _{OL}	Logic "0" Level,	10% x Vcc	VDC
	V _{OH}	Logic "1" Level	90% x Vcc	
Output Load	---	1 to 10 TTL Output	--	--
Symmetry (Duty cycle)	DC	@ 50% of signal (Vdd)	40...60	%
Rise time / Fall time, max.	tr / tf	20%~80% Vout, 80%~20% Vout,	10	ns

MECHANICAL SPECIFICATION

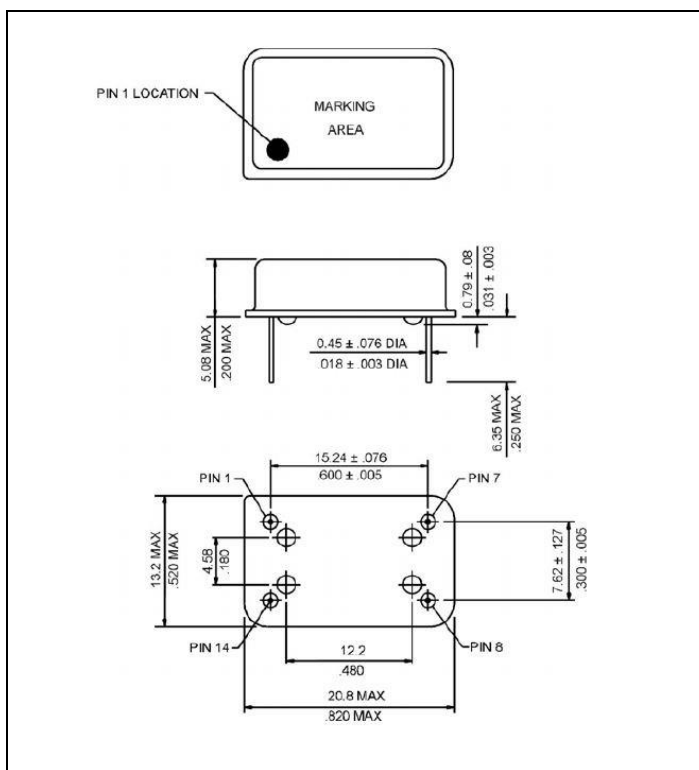
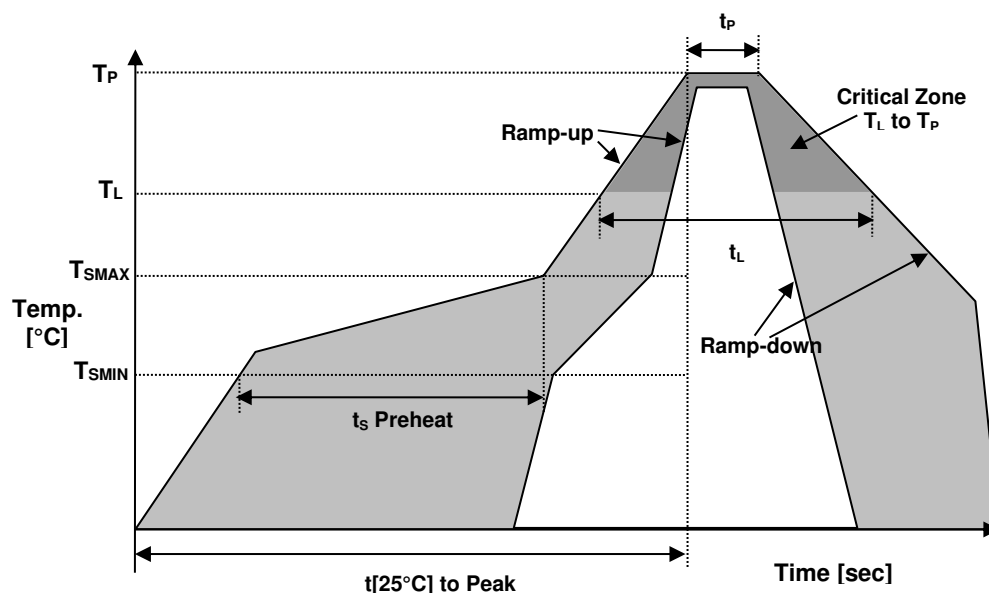


Photo is not actual part

PIN CONNECTION	
PIN	FUNCTION
1	nc
7	Ground
8	Output
14	Vcc

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_L	217°C
Peak Temperature	T_P	260°C max.
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 $t[25^\circ\text{C}]$ to Peak Temperature	$t[25^\circ\text{C}] \text{ to Peak}$	480 sec.
Time	t_L	60-150 sec.

ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
RoHS	Compliant
REACH-SVHC	Compliant
HALOGEN-FREE	Compliant
TERMINATION FINISH	Sn





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CLOCK OSCILLATOR

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CO1100-25.000

MARKING

CO1100
25.000
•Rxxyyww

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	O
6	f	24	x	42	P
7	g	25	y	43	Q
8	h	26	z	44	R
9	i	27	A	45	S
10	j	28	B	46	T
11	k	29	C	47	U
12	l	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	H	52	Z
17	q	35	I		
18	r	36	J		

APPROVAL

RALTRON	
DRAWN BY:	AR, May 26, 2020
APPROVED BY:	CP, May 26, 2020
REVISION:	A, Initial Release

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