

ELECTRICAL SPECIFICATION

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT
Nominal Frequency	fo	Ta=25°C	11.0592	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 ~ +70	°C
Storage Temperature Range	T(stg)	-	-55 ~ +125	°C
Frequency Stability	Δf/fo	Inclusive of 25°C Tolerance and Changes due to Operating Temperature, Supply Voltage, Load, Aging, Shock and Vibration	±100	ppm
Output Voltage Levels	VoL	Logic "0" Level,	10% x Vcc	VDC
	VoH	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

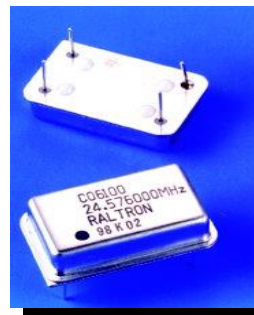
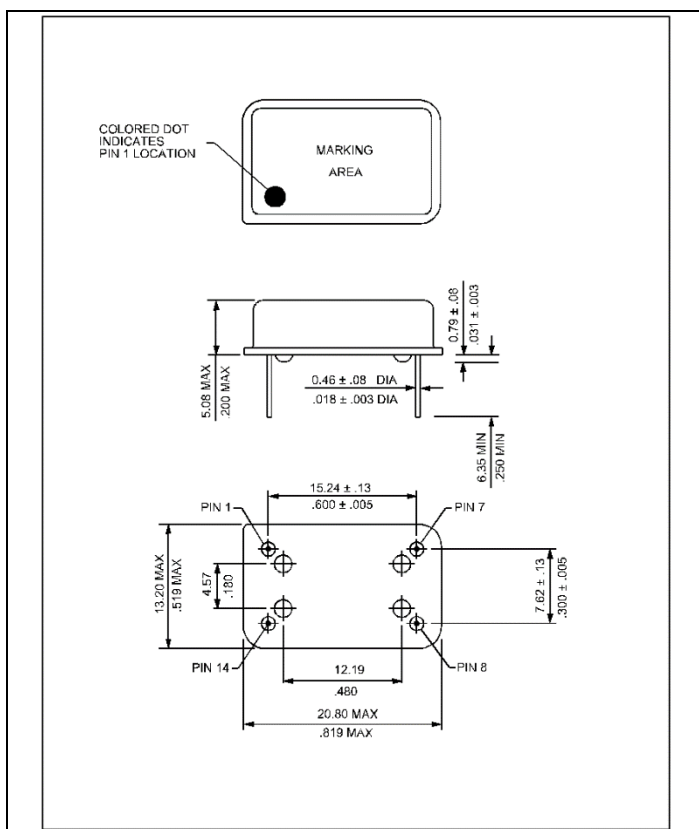
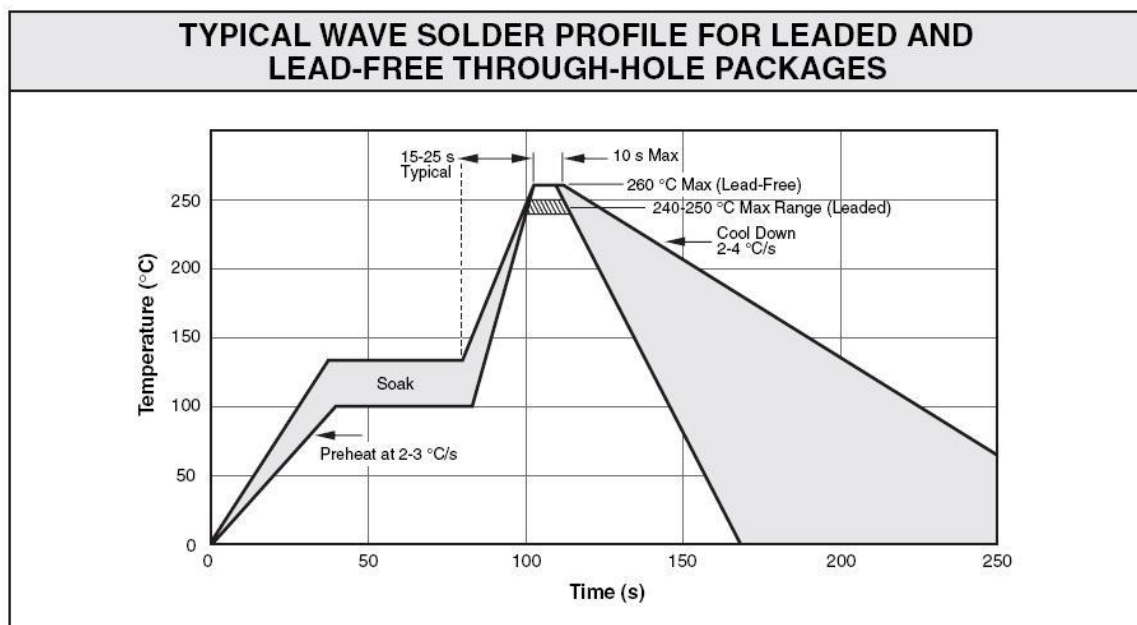


Photo is not actual part

PIN CONNECTION

PIN	FUNCTION
1	nc
7	Ground
8	Output
14	Vcc

REFLOW PROFILE



Wave Solder profile		
Profile Feature	SnPb eutectic	Pb-Free
Average ramp-up rate	~200°C/second	~200°C/second
Heating Rate during preheat	typical 1-2°/second max 4°/second	typical 1-2°/second max 4°/second
Final preheat temperature, T _s	~130°C	~130°C
Peak temperature, T _P	235°C	260°C
Time within +0°C / -5°C of actual temperature, t _P	10 seconds	10 seconds
Ramp-down rate	5°C/second max.	5°C/second max.

ENVIRONMENTAL

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



MARKING

CO1100
11.0592
•Rxxxyww

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
2029	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	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, March 24, 2022
APPROVED BY:	CP, March 24, 2022
REVISION:	A, Initial Release

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