

TCXO

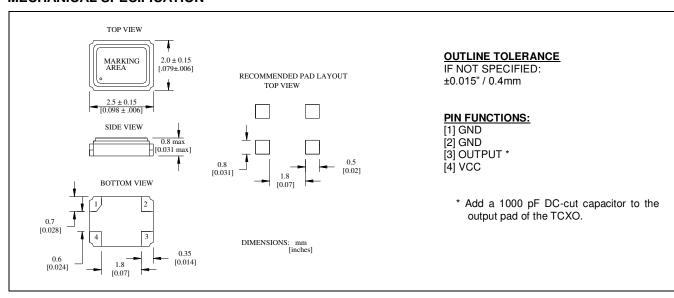
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ELECTRICAL SPECIFICATION

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT
Nominal Frequency	fo	Vcc ±5%	26.000	MHz
Supply voltage, nom.	Vcc	Vcc ±5%,	1.8	VDC
Supply current, max	ls	Vcc ±5%	2.0	mA
Operating temperature	Ta		-40 ~ +85	°C
Storage temperature	T(stg)	Absolute max	-40 ~ +85	°C
Frequency Stability vs. Temperature	∆f/fo(Ta)	Reference to +25°Cover Temperature Range	±1.5	ppm
vs. Supply Voltage	Δf/f _V	Vcc ±5%	±0.2	ppm
vs. Load vs. Aging Max	∆f/f∟ ∆f/fo(year)	Load ±10% Per Year at +25°C ± 2°C	±0.2 ±1.0	ppm ppm
Initial Frequency Calibration, Max	fc	Measured at 25°C, Reference to fo, after 2 reflows	±2.5	ppm
Output Level, Clipped Sine Wave	-	10 kΩ // 10 pF ±10%	0.8	V_{P-P}
Start up time, Max	ts	V _{OUT} ≥ 90% V _{P-P}	2.0	ms
	£ (∆f)	Δf=100 Hz	-110	dBc/Hz
	£ (∆f)	Δf=1 kHz	-130	dBc/Hz
	£ (∆f)	Δf=10 kHz	-142	dBc/Hz
	£ (Δf)	Δf=100 kHz	-147	dBc/Hz

MECHANICAL SPECIFICATION

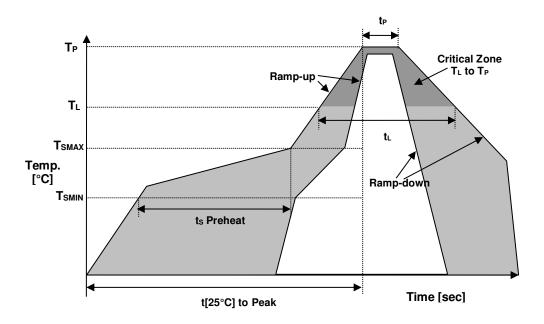




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REFLOW PROFILE



	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∟	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	tp	10 sec.
Time t[25°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	tu	60-150 sec.

ENVIRONMENTAL

PARAMETER	VALUE
MOISTURE SENSITIVITY LEVEL	1
REACH	Compliant
RoHS	Compliant
TERMINATION FINISH	Au





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MARKING

Rx26.0 •C31yw

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	а	19	S	37	K
2	b	20	t	38	L
3	С	21	u	39	М
4	d	22	V	40	N
5	е	23	w	41	0
6	f	24	Х	42	Р
7	g	25	У	43	Q
8	h	26	Z	44	R
9	i	27	Α	45	S
10	j	28	В	46	Т
11	k	29	С	47	U
12	1	30	D	48	V
13	m	31	E	49	W
14	n	32	F	50	Х
15	0	33	G	51	Υ
16	р	34	Н	52	Z
17	q	35	I		
18	r	36	J		

APPROVALS

RALTRON		
Created by, date:	KJackson, August 10, 2017	
Eng. approval, date: Jlvens, August 10, 2017		
Revision: A		

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