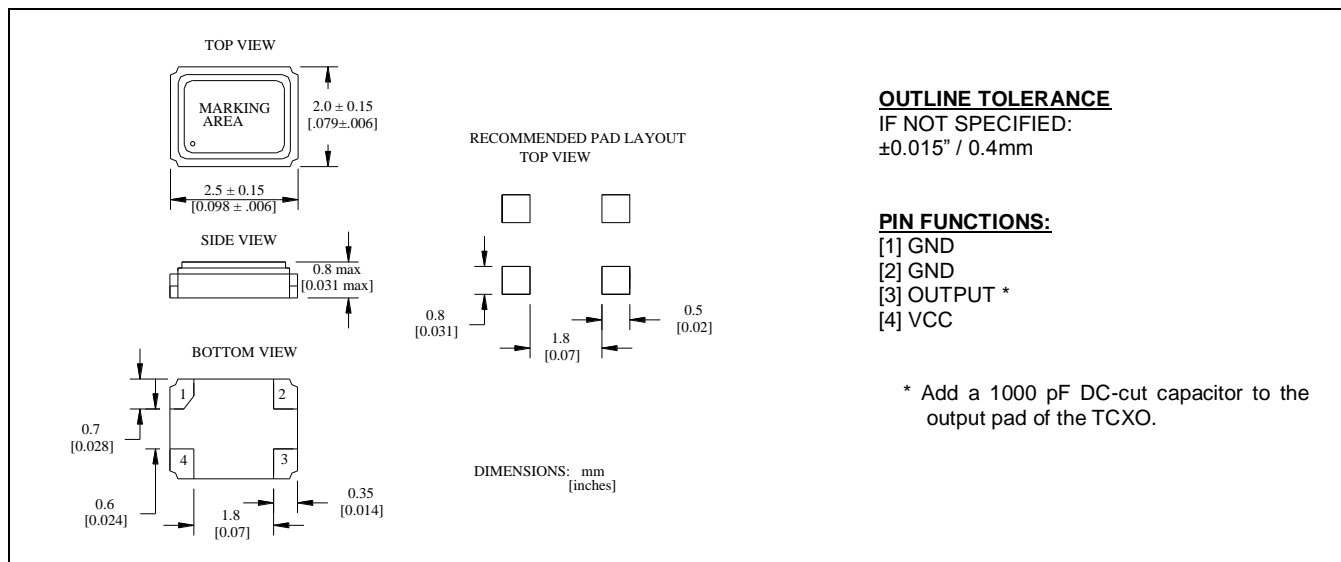


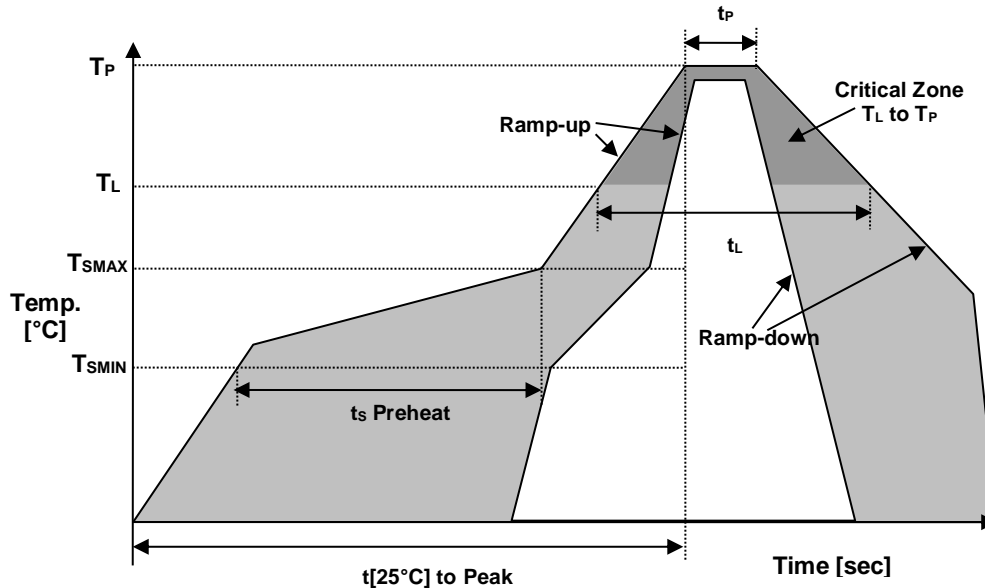
ELECTRICAL SPECIFICATION

PARAMETER	SYMBOL	CONDITIONS	VALUE	UNIT	
Nominal Frequency	f_0	$V_{CC} \pm 5\%$	26.000	MHz	
Supply voltage, nom.	V_{CC}	$V_{CC} \pm 5\%$,	1.8	VDC	
Supply current, max	I_s	$V_{CC} \pm 5\%$	2.0	mA	
Operating temperature	T_a		-40 ~ +85	°C	
Storage temperature	$T(stg)$	Absolute max	-40 ~ +85	°C	
Frequency Stability	vs. Temperature	Reference to +25°C Cover Temperature Range $V_{CC} \pm 5\%$ Load $\pm 10\%$ Per Year at +25°C $\pm 2^\circ\text{C}$	$\Delta f/f_0(Ta)$	± 1.5	ppm
	vs. Supply Voltage		$\Delta f/f_V$	± 0.2	ppm
	vs. Load		$\Delta f/f_L$	± 0.2	ppm
	vs. Aging Max		$\Delta f/f_0(\text{year})$	± 1.0	ppm
Initial Frequency Calibration, Max	f_c	Measured at 25°C, Reference to f_0 , after 2 reflows	± 2.5	ppm	
Output Level, Clipped Sine Wave	-	10 k Ω // 10 pF $\pm 10\%$	0.8	V_{P-P}	
Start up time, Max	t_s	$V_{OUT} \geq 90\% V_{P-P}$	2.0	ms	
	$\mathcal{E}(\Delta f)$	$\Delta f=100$ Hz	-110	dBc/Hz	
	$\mathcal{E}(\Delta f)$	$\Delta f=1$ kHz	-130	dBc/Hz	
	$\mathcal{E}(\Delta f)$	$\Delta f=10$ kHz	-142	dBc/Hz	
	$\mathcal{E}(\Delta f)$	$\Delta f=100$ kHz	-147	dBc/Hz	

MECHANICAL SPECIFICATION



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
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 $t_{[25^\circ C]}$ to Peak Temperature	$t_{[25^\circ C] \text{ to Peak}}$	480 sec.
Time	t_L	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 table with columns Year and Code, mapping years 2011-2019 to codes 1-9.

ALPHA WEEK CODE TABLE with columns Week and Code, mapping weeks 1-36 to codes a-Z.

APPROVALS

Approval table with fields: RALTRON, Created by, date: KJackson, August 10, 2017; Eng. approval, date: JIvens, August 10, 2017; Revision: A

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