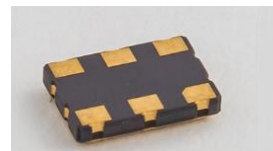
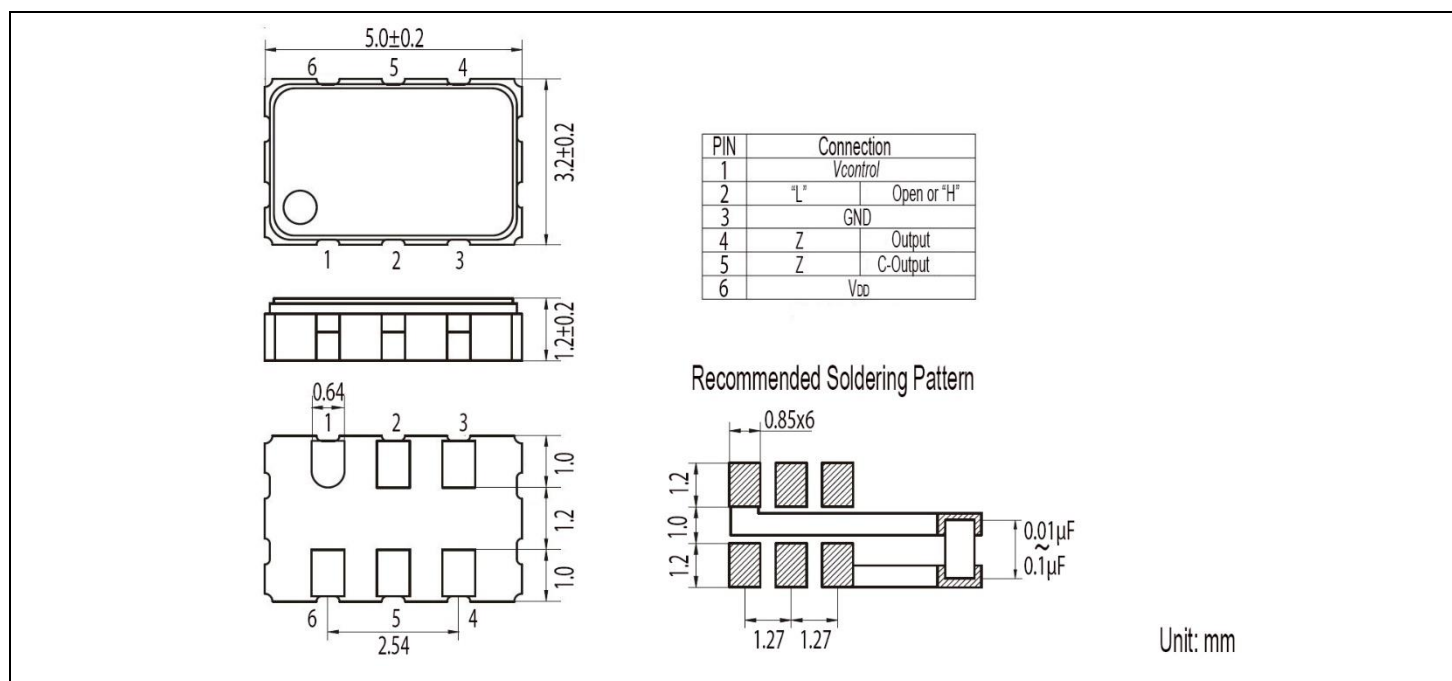


■ ELECTRICAL SPECIFICATION

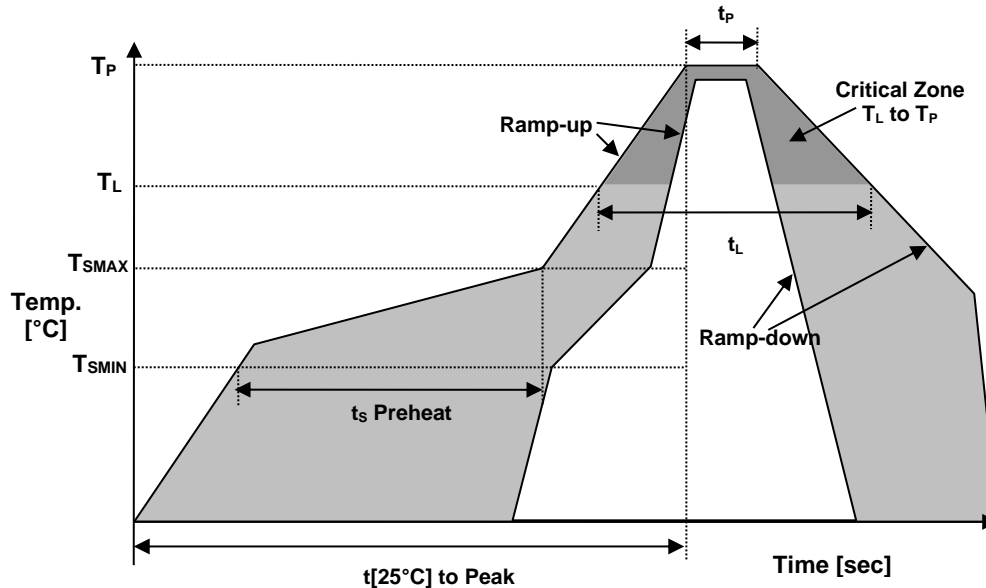
PARAMETER		VALUE
Nominal Frequency (Fo)		122.880 MHz
Supply Voltage (Vs)		3.3 VDC \pm 10%
Control Voltage Range (Vcc)		1.65 \pm 1.35 VDC
Input Current		40 mA max
Frequency Stability		\pm 25 ppm max
Frequency Adjustment Range		\pm 30 ppm min
Operating Temperature Range		-40°C ~ +85°C
Storage Temperature Range		-55°C ~ +125°C
Output LVDS	Symmetry at 50% Vs	45% ~ 55%
	Rise / Fall Time	0.7 ns max
	Logic "0" Level (VOL)	0.9Vmin / 1.1V typ
	Logic "1" Level (VOH)	1.43V typ / 1.6V max
	Load	100 Ω (OUT – IN)
Enable / Disable Function		Pin 1: High or Open / Output enabled Pin 1: Low / Output disabled (High impedance)
Phase Noise	@ 10 Hz	-76.5 dBc
	@ 100 Hz	-107 dBc
	@ 1 kHz	-132 dBc
	@ 10 kHz	-143 dBc
	@ 100 Hz	-153 dBc
	@ 1 MHz	-155 dBc



■ 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°C] to Peak Temperature	t[25°C] to Peak	480 sec.
Time	t _L	60-150 sec.

ENVIRONMENTAL

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



APPROVAL

RALTRON	
DRAWN BY:	AR, May 14, 2020
APPROVED BY:	CP, May 14, 2020
REVISION:	A, Initial Release

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