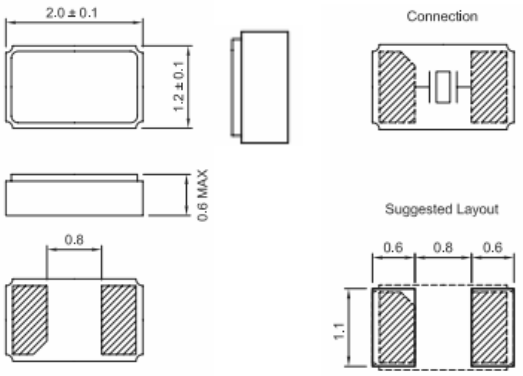
Size: 2.0x1.2x0.6mm **SMD Tuning Fork Crystal Resonator XSM2012**

2 Pads ceramic surface mount package
High Stability
RoHS Compliant/Pb-Free

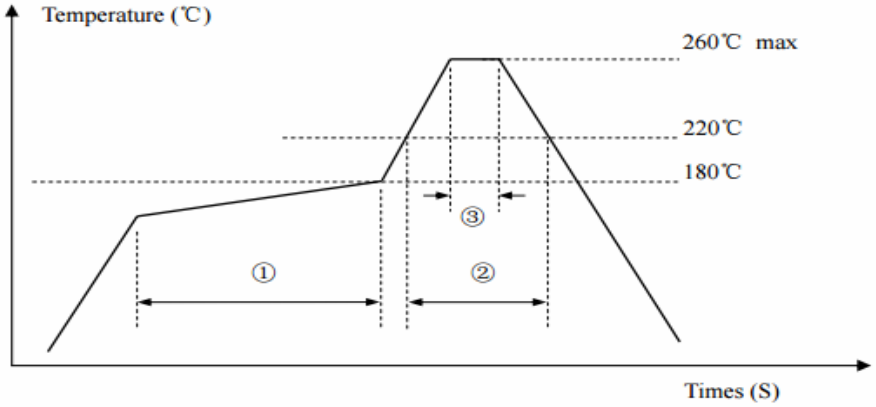
◆Electrical Specifications

Parameters	Specification
Frequency Range F_O	32.768KHz
Frequency Tolerance at 25℃ F_L	±20ppm
Operating Temperature T_0	-40 ~+85℃
Storage Temperature S_T	-55 ~+125℃
Temperature Coefficient a	$-0.04X10^{-6}/℃^2$ max
Load Capacitance C_L	12.5pF Std or 9pF available
Equivalent Series Resistance R_S	80 KΩ max
Drive Lever D_L	1.0uW max
Aging@25℃	±3ppm Max.

◆Mechanical Dimension(MM)



◆Reflow Soldering Profile



Pb free reflow A	①	Preheat	160~180℃	100sec. max
	②	Primary heat	220℃	35sec. max
	③	Peak	260℃	10sec. max

◆Part Number Information

	Type	Frequency	Capacitance in PF	Tolerance at 25℃	ESR	Operating Temperature
FLT	XSM2012	32.768K	12.5	20	80K	T=-40~+85℃

Example: FLT-XSM2012-32.768-12.5-20-80K-T

Note: All specifications subject to change without notice.