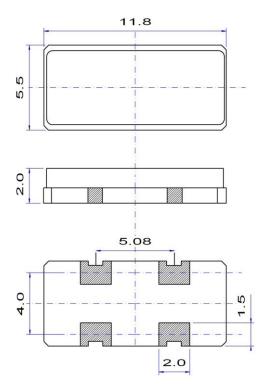
SMX-1CL



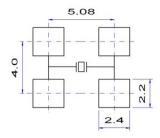
Full ceramic SMD Crystal

Features	 Applications: telecommunications, audio, automotive, instruments Low package height of 2.0 mm Max. Reliable, low cost crystal
	 Reflow soldering @ 260 °C

Parameter	Specification		
Frequency range	3.2 ~ 36 MHz 40 ~ 70 MHz	fundamental 3 rd overtone	
Mode of oscillation	AT-cut		
Standard frequencies	3.579545, 3.6864, 9.216, 13.824, 16.00 & 16.384 MHz		
Frequency tolerance	±25 ~ ±50 ppm	@ +25 °C	
Frequency stability	±10 ~ ±50 ppm	vs. operating temperature range	
Aging	±3 ppm	1 st year	
Load capacitance	series or parallel resonance (CL = 8 ~ 32 pF)		
Equivalent series resistance (ESR)	< 75 Ω	@ 3.6864 MHz	
	< 25 Ω	@ 16.00 MHz	
Drive level	10 ~ 100 μW		
Operating temperature range	-20 ~ +70 °C	commercial application	
	-40 ~ +85 °C -40 ~ +125 °C	industrial application automotive application	
Storage temperature range	-55 ~ +125 °C	αστοπιστίνο αργικοσίοπ	
Packaging unit	tape & reel	1'000 pieces	
Customer specifications on request			



Example for soldering pattern



Do not design any conductive path between the pattern Example for IR reflow soldering temperature

