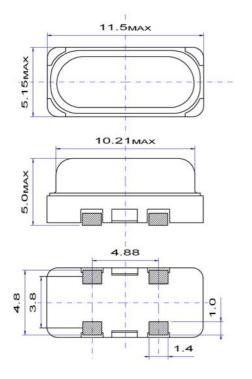
SMX-4F

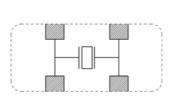


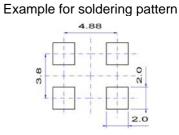
Low profile SMD Crystal

Features		Applications: telecommunications, audio, automotive, instruments Low profile package, height: 3.7 ~ 5.0 mm Max.
	•	High reliable, low cost crystal Reflow soldering @ 260 °C

Parameter	Specification			
Frequency range	3.5 ~ 40 MHzfundamen 32 ~ 70 MHz	tal 3 rd overtone		
Mode of oscillation	AT-cut	BT-cut on request		
Standard frequencies	3.579545, 3.6864, 4.096, 4.9152, 7.20, 8.00, 10.3680 14.31818, 16.00, 20.00, 24.576 & 25.00 MHz			
Frequency tolerance	±10 ~ ± 50 ppm	@ +25 °C		
Frequency stability	±10 ~ ±100 ppm	vs. operating temperature range		
Aging	±2 ppm	1 st year		
Load capacitance	series or parallel resonance (CL = 8 ~ 32 pF)			
Equivalent series resistance (ESR)	< 75 Ω	3.6864 MHz		
	< 12 Ω	24.576 MHz		
Drive level	100 μW			
Operating temperature range	-20 ~ +70 °C	commercial application		
	-40 ~ +85 °C	industrial application		
	-40 ~ +125 °C	automotive application		
Storage temperature range	-55 ~ +125 °C			
Packaging unit	tape & reel	1'000 pieces		
Customer specifications on request				







Do not design any conductive path between the pattern

Example for IR reflow soldering temperature

