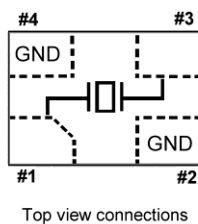
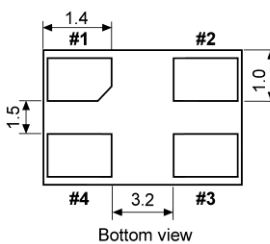
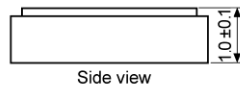
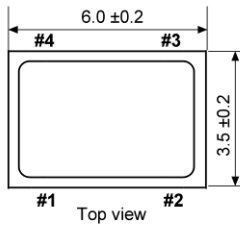


Quartz Crystal

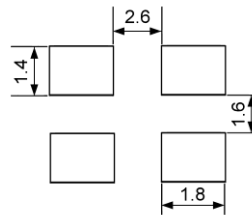
SMD-version

part no.	12.xxxxx		
model	KX – 12A		
frequency range	8.0 ~ 150.0 MHz		
mode	fundamental, 3 rd overtone		
operating temperature	standard -20° ~ +70°C avail. -40° ~ +85°C (=KX-12AT); -40° ~ +105°C (=KX-12AE); -40° ~ +125°C (=KX-12AF)		
frequency tolerance at +25°C	standard ±30 ppm; available ±10 ~ ±50 ppm		
temperature tolerance at -20° ~ +70°C, -40° ~ +85°C -40° ~ +105°C -40° ~ +125°C	standard ±50 ppm; available ±10 ~ ±50 ppm standard ±50 ppm; available ±30 ~ ±100 ppm standard ±50 ppm		
load capacitance C _L	standard 16 pF, available 10 ~ 20 pF		
series resistance R ₁ (ESR) max.		fundamental	8.0 ~ 11.99 MHz 80 Ohm 12.0 ~ 80.0 MHz 50 Ohm 3 rd overtone 40.0 ~ 150.0 MHz 80 Ohm
aging at +25°C (first year) max.	±2 ppm		
shunt capacitance C ₀ max.	5.0 pF		
drive level max.	300 µW		
contents of reel	1000 pcs.		

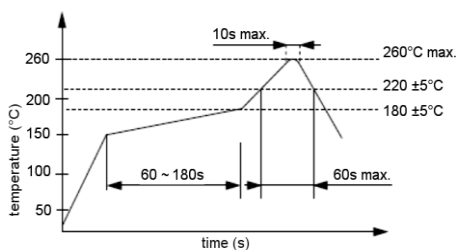
Dimensions (mm):



Suggested soldering pad:



Reflow soldering condition:



Tape specification:

