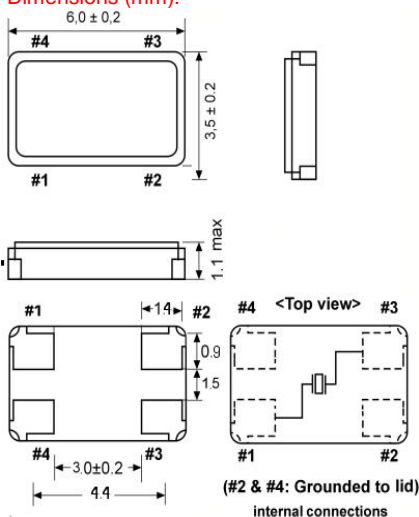


Quartz Crystal

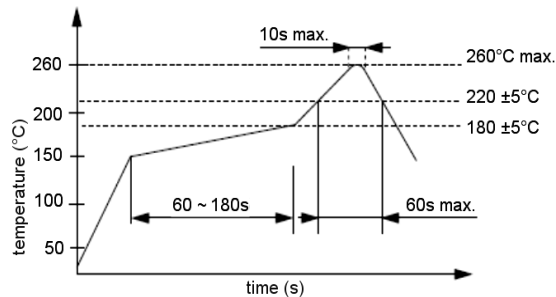
SMD-version

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 available -40° ~ + 85°C (=KX-12AT) available -40° ~ +105°C (=KX-12AE)
frequency tolerance at +25°C	standard ±50 ppm available ±10 ~ ±50 ppm
temperature tolerance -20° ~ + 70°C -40° ~ + 85°C -40° ~ +105°C	standard ± 50 ppm, available ±10 ~ ±50 ppm standard ±100 ppm, available ±10 ~ ± 100 ppm standard ±120 ppm, available ±30 ~ ± 120 ppm
load capacitance C _L	standard 16 pF available 10 ~ 20 pF
series resonance R1 max.	fundamental 8.0 ~ 11.99 MHz 80 Ohm 12.0 ~ 80.0 MHz 50 Ohm 3 rd overtone 40.0 ~ 150.0 MHz 100 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance C _O max.	5.0 pF
drive level max.	0.1 mW
contents of reel	1000 pcs.

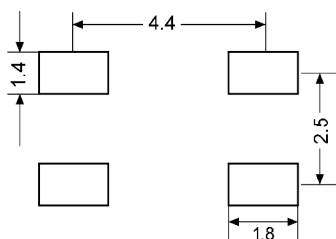
Dimensions (mm):



Reflow soldering condition:



Suggested soldering pad:



Tape specification:

