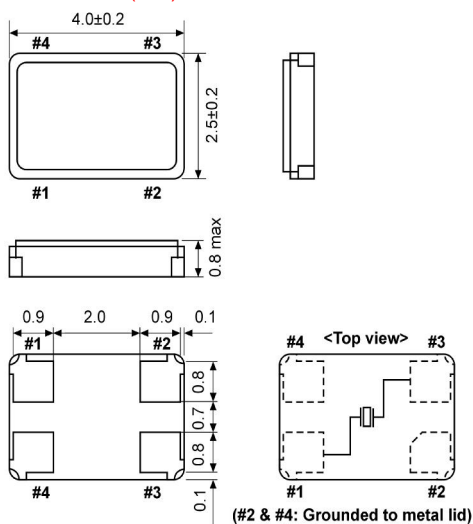


## Quartz Crystal

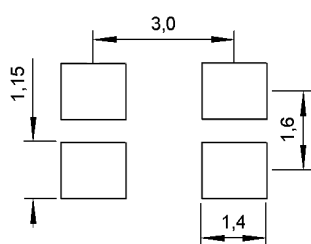
SMD-version

part no.	12.xxxxx
model	KX - 8
frequency range	12.0 ~ 60.0 MHz
mode	fundamental
operating temperature	standard -20° ~ + 70°C available -40° ~ + 85°C (=KX-8T) available -40° ~ +105°C (=KX-8E)
frequency tolerance at +25°C	standard ±30 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 ±20 ~ ± 100 ppm standard ±120 ppm, available ±30 ~ ± 120 ppm
load capacitance $C_L$	standard 16 pF available 10 ~ 20 pF
series resistance $R_1$ max.	12.0 ~ 13.0 MHz 80 Ohm 13.1 ~ 15.99 MHz 60 Ohm 16.0 ~ 60.0 MHz 50 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance $C_0$ max.	5.0 pF
drive level max.	200 µW
contents of reel	1000 pcs.

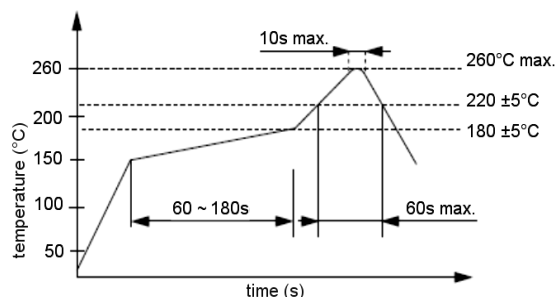
**Dimensions (mm):**



**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**

