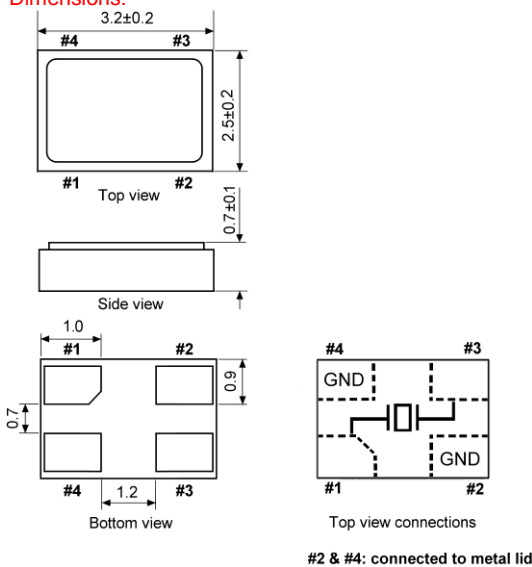


# Quartz Crystal

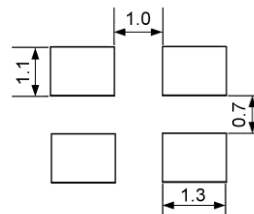
SMD-version

part no.	12.xxxxx
model	KX – 7
frequency range	8.0 ~ 80.0 MHz
mode	fundamental
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (=KX-7T); -40° ~ +105°C (=KX-7E); -40° ~ +125°C (=KX-7F)
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 ~ ±100 ppm standard ±100 ppm; available ±30 ~ ±120 ppm standard ±100 ppm; available ±50 ~ ±150 ppm
load capacitance C <sub>L</sub>	standard 12 pF; available 7 ~ 20 pF
series resistance R1 (ESR) max.	8.0 ~ 9.9 MHz 500 Ohm 10.0 ~ 10.9 MHz 180 Ohm 11.0 ~ 11.9 MHz 150 Ohm 12.0 ~ 12.9 MHz 80 Ohm 13.0 ~ 15.9 MHz 70 Ohm 16.0 ~ 29.9 MHz 60 Ohm 30.0 ~ 80.0 MHz 50 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance C <sub>0</sub> max.	3.0 pF
drive level max.	200 μW
contents of reel	1000 pcs.

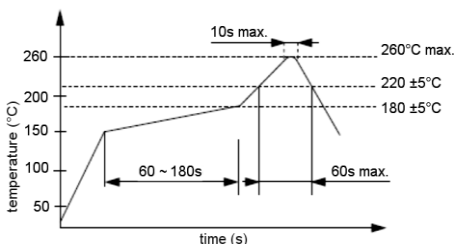
**Dimensions:**



**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**

