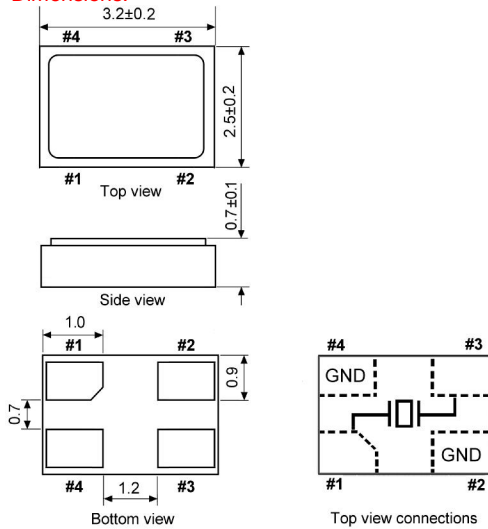


# Quartz Crystal

SMD-version

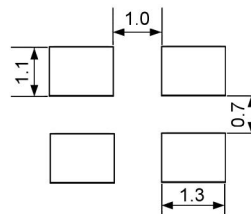
part no.	12.60020
model	KX – 7F
frequency	12.0 MHz
mode	fundamental
operating temperature	-40° ~ +125°C
frequency tolerance at +25°C	±10 ppm
temperature tolerance -40° ~ +125°C	±50 ppm
load capacitance $C_L$	8 pF
series resistance R1 (ESR) max.	100 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance $C_0$ max.	3.0 pF
drive level max.	200 µW
contents of reel	1000 pcs.

**Dimensions:**

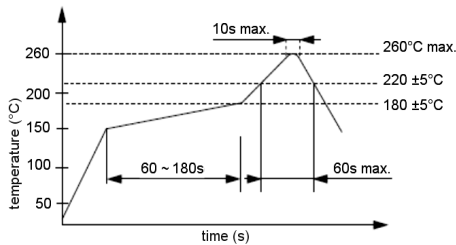


#2 & #4: connected to metal lid

**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**

