

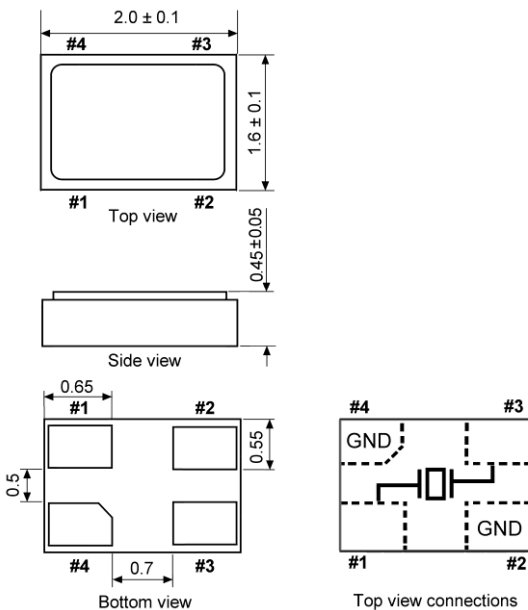


## Quartz Crystal

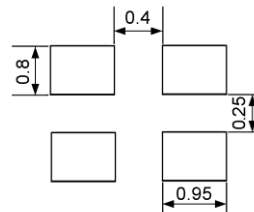
SMD-version

part no.	12.xxxxx
model	KX – 5
frequency range	16.0 ~ 80.0 MHz
mode	fundamental
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (=KX-5T); -40° ~ +105°C (=KX-5E); -40° ~ +125°C (=KX-5F)
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 8 pF; available 8 ~ 16 pF
series resistance R1 (ESR) max.	16.0 ~ 20.99 MHz 200 Ohm 21.0 ~ 24.99 MHz 100 Ohm 25.0 ~ 40.99 MHz 80 Ohm 41.0 ~ 80.0 MHz 60 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance C <sub>0</sub> max.	3.0 pF
drive level max.	100 μW
contents of reel	1000 pcs.

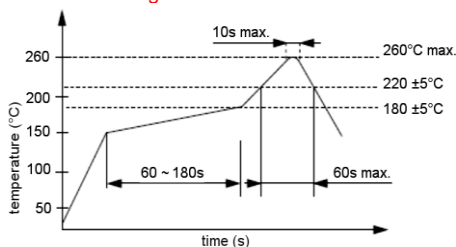
### Dimensions:



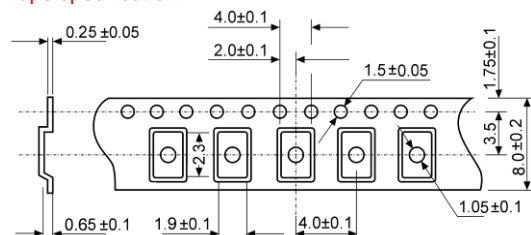
### Suggested soldering pad:



### Reflow soldering condition:



### Tape specification:



reel diameter 178 mm