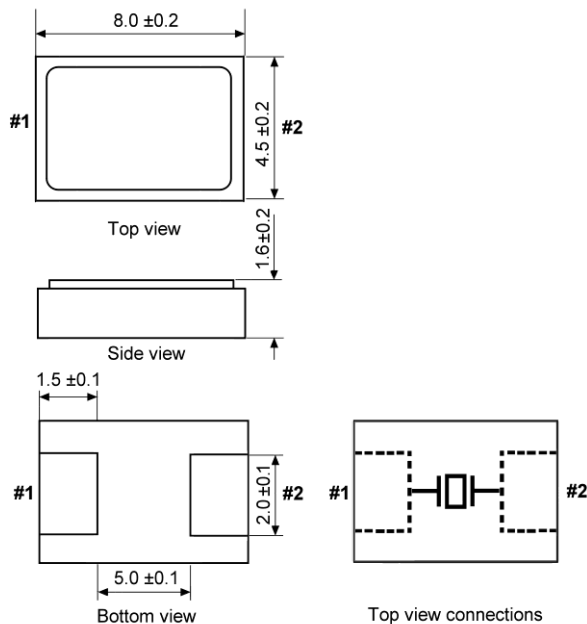


Quartz Crystal

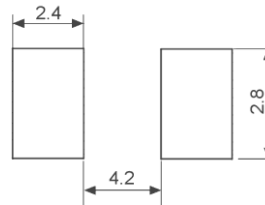
SMD-version

part no.	12.xxxxx
model	KX - 14
frequency range	4.0 ~ 60.0 MHz
mode	fundamental, 3 rd overtone upon request
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (= KX-14T); -40° ~ +105°C (= KX-14E)
frequency tolerance at +25°C	±50 ppm
temperature tolerance at -20° ~ +70°C at -40° ~ +85°C at -40° ~ +105°C	standard ±50 ppm; available ±10 ~ ±30 ppm, standard ±100 ppm; available ±20 ~ ±50 ppm standard ±120 ppm; available ±50 ~ ±80 ppm
load capacitance C _L	standard 16 pF; available 12 ~ 20 pF
series resistance R ₁ (ESR) max.	fundamental 4.0 ~ 4.99 MHz 300 Ohm 5.0 ~ 7.99 MHz 250 Ohm 8.0 ~ 9.49 MHz 200 Ohm 9.5 ~ 9.99 MHz 120 Ohm 10.0 ~ 11.99 MHz 100 Ohm 12.0 ~ 12.99 MHz 80 Ohm 13.0 ~ 48.0 MHz 50 Ohm 3 rd overtone 40.0 ~ 60.0 MHz 60 Ohm
aging at +25°C (first year) max.	±2 ppm
shunt capacitance C ₀ max.	5.0 pF
drive level max.	0.01 mW
contents of reel	1000 pcs.

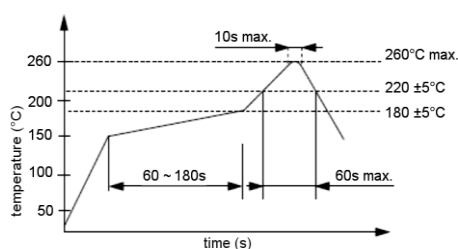
Dimensions (mm):



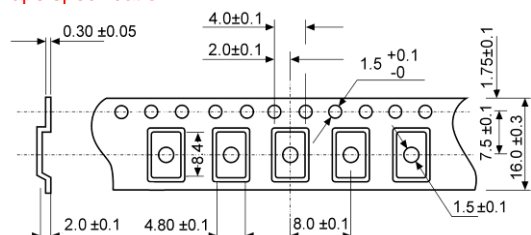
Suggested soldering pad:



Reflow soldering condition:



Tape specification:



reel diameter 178 mm (or 330 mm)