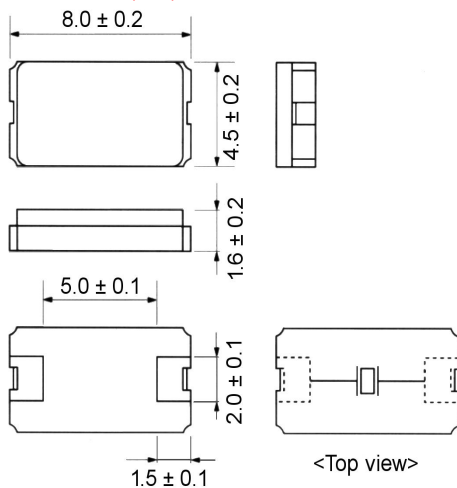


# Quartz Crystal

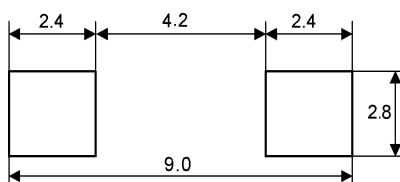
SMD-version

model	KX - 14
frequency range	4,0 ~ 60,0 MHz
mode	fundamental, 3 <sup>rd</sup> overtone upon request
operating temperature	standard -20° ~ + 70°C available -40° ~ + 85°C (= KX-14T) available -40° ~ + 105°C (= KX-14E)
frequency tolerance at +25°C	± 50 ppm
temperature tolerance at -20° ~ + 70°C -40° ~ + 85°C -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 <sub>L</sub>	standard 16 pF available 12 ~ 20 pF
series resonance R1 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 <sup>rd</sup> overtone 40,0 ~ 60,0 MHz 60 Ohm
aging at +25°C (first year) max.	± 2 ppm
shunt capacitance C <sub>O</sub> max.	5,0 pF
drive level max.	0,01 mW
contents of reel	1000 pcs.
part no.	12.xxxxx

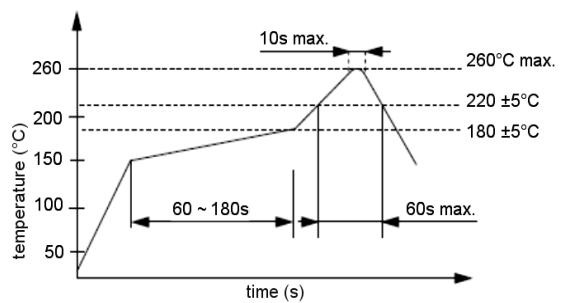
**Dimensions (mm):**



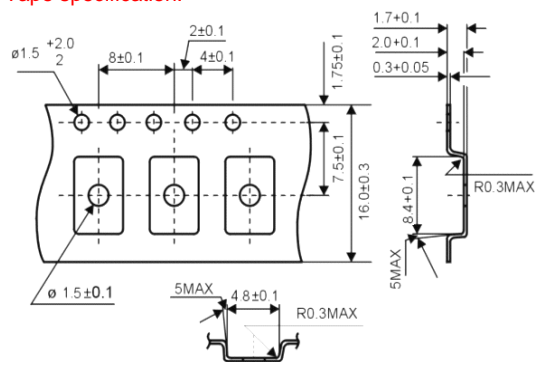
**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**



reel diameter 330 mm or 178 mm