







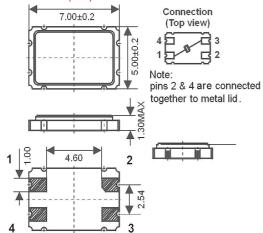


Quartz Crystal

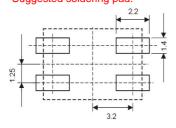
SMD-version

Quartz Orystai	Sivid-version
model	KX - 13
frequency range	6,0 ~ 160,0 MHz
mode	fundamental, 3 rd overtone, 5 th overtone
operating temperature	standard $-20^{\circ} \sim + 70^{\circ}$ C available $-40^{\circ} \sim + 85^{\circ}$ C (= KX-13T) available $-40^{\circ} \sim + 105^{\circ}$ C (= KX-13E)
frequency tolerance at +25°C	standard \pm 30 ppm available \pm 10 \sim \pm 50 ppm
temperature tolerance at -20° ~ + 70°C -40° ~ + 85°C -40° ~ +105°C	standard \pm 50 ppm, available \pm 10 \sim \pm 30 ppm, standard \pm 100 ppm, available \pm 20 \sim \pm 50 ppm standard \pm 120 ppm, available \pm 30 \sim \pm 80 ppm
load capacitance C _L	standard 16 pF available 12 ~ 20 pF
series resonance R1 max.	fundamental 6,0 ~ 7,00 MHz 120 Ohm 7,1 ~ 10,99 MHz 100 Ohm 11,0 ~ 13,99 MHz 50 Ohm 14,0 ~ 15,99 MHz 40 Ohm 16,0 ~ 40,50 MHz 30 Ohm 3 rd overtone 35,0 ~ 39,99 MHz 100 Ohm 40,0 ~ 49,99 MHz 80 Ohm 50,0 ~ 90,00 MHz 50 Ohm 5 th overtone 90,0 ~ 260,00 MHz 100 Ohm
aging at +25°C (first year) max.	± 2 ppm
shunt capacitance C ₀ max.	7,0 pF
drive level max.	0,05 mW
contents of reel	1000 pcs.
part no.	12.xxxxx

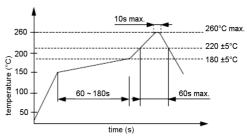
Dimensions (mm):



Suggested soldering pad:



Reflow soldering condition:



Tape specification:

