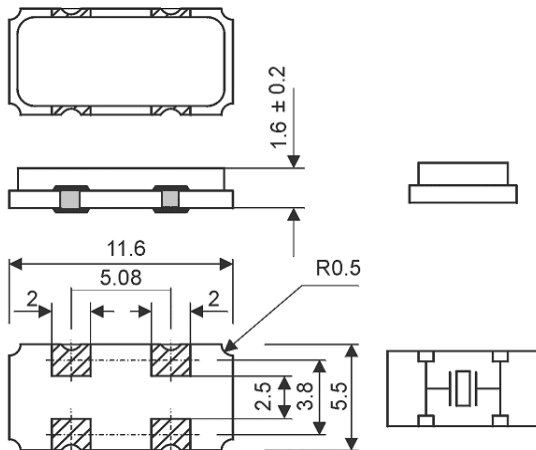


# Quartz Crystal

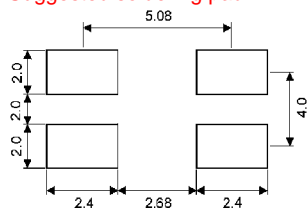
SMD-version

model	KX - 20
frequency range	3,579545 ~ 25,0 MHz
mode	fundamental
operating temperature	standard -20° ~ + 70°C available -40° ~ + 85°C (= KX-20T) available -40° ~ +105°C (= KX-20E)
frequency tolerance at +25°C	± 50 ppm
temperature tolerance at -20° ~ + 70°C at -40° ~ + 85°C at -40° ~ +105°C	± 50 ppm ± 100 ppm ± 120 ppm
load capacitance C <sub>L</sub>	standard 16 pF available 12 ~ 20 pF
series resonance R1 max.	fundamental 3,5 ~ 3,9 MHz 150 Ohm 4,0 ~ 5,99 MHz 120 Ohm 6,0 ~ 7,99 MHz 80 Ohm 8,0 ~ 9,99 MHz 60 Ohm 10,0 ~ 25,0 MHz 50 Ohm
aging at +25°C (first year) max.	± 5 ppm
shunt capacitance C <sub>0</sub> max.	7,0 pF
drive level max.	0,1 mW
contents of reel	2000 pcs.
part no.	12.xxxxx

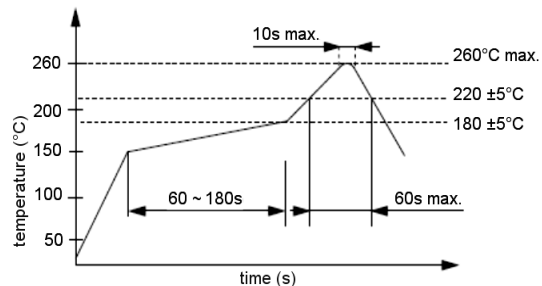
**Dimensions (mm):**



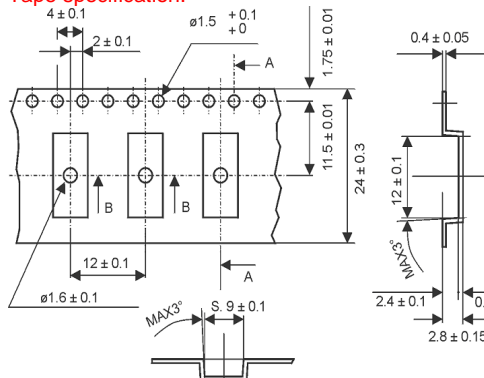
**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**



reel diameter 330 mm