

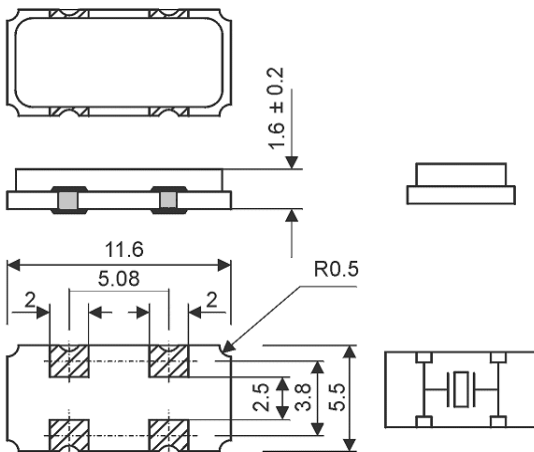
**Quartz Crystal**

**MHz range**

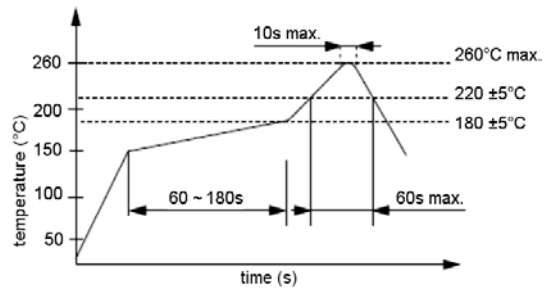
**SMD-version**

model	KX - 20	
frequency range	3,579545 ~ 25,0 MHz	
mode	fundamental, 3 <sup>rd</sup> overtone	
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 R <sub>1</sub> 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 ~ 45,0 MHz 50 Ohm 3 <sup>rd</sup> overtone 32,0 ~ 70,0 MHz 100 Ohm
aging at +25°C (first year) max.	± 5 ppm	
shunt capacitance C <sub>0</sub> max.	7,0 pF	
drive level in mW	0,1	
contents of reel	2000 pcs.	
RoHS	according to RoHS 2011/65/EU	
part no.	12.87500~12.87799	

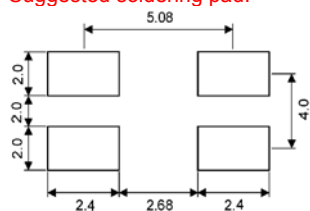
**Dimensions (mm):**



**Reflow soldering condition:**



**Suggested soldering pad:**



**Tape specification:**

