

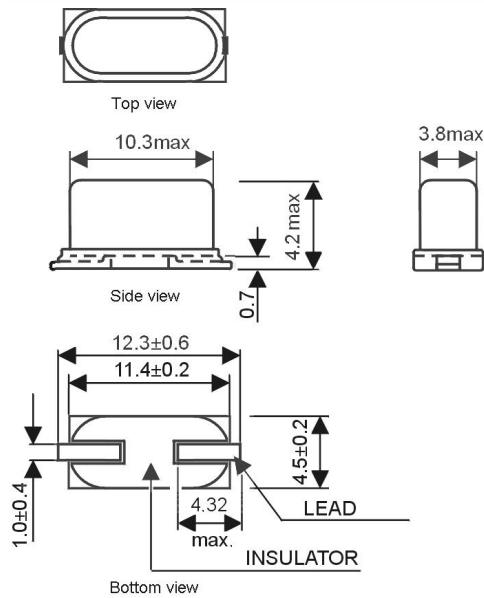


## Quartz Crystal

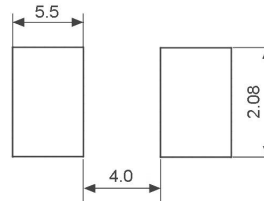
SMD-version

part no.	12.xxxxx	
model	KX - K	
frequency range	3.50 ~ 70.0 MHz	
mode	fundamental; 3 <sup>rd</sup> overtone	
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (=KX-KT)	
frequency tolerance at +25°C	standard ±30 ppm; available ±10 ~ ±50 ppm	
temperature tolerance at -20° ~ +70°C -40° ~ +85°C	standard ±50 ppm; available ±15 ~ ±50 ppm standard ±50 ppm; available ±15 ~ ±100 ppm	
load capacitance C <sub>L</sub>	standard 16 pF; available 12 ~ 30 pF	
series resistance R <sub>1</sub> (ESR) max.	fundamental	3.5 ~ 3.99 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 ~ 40.0 MHz 50 Ohm
	3 <sup>rd</sup> overtone	35.0 ~ 39.99 MHz 100 Ohm 40.0 ~ 49.99 MHz 80 Ohm 50.0 ~ 70.0 MHz 50 Ohm
aging at +25°C (first year) max.	±2 ppm	
shunt capacitance C <sub>0</sub> max.	7.0 pF	
drive level max.	0.1 mW	
contents of reel	1000 pcs.	

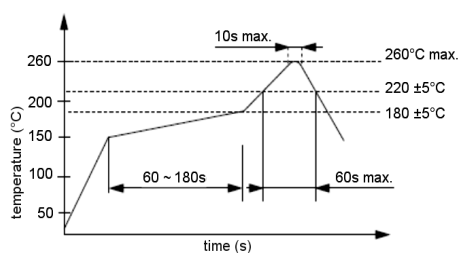
**Dimensions (mm):**



**Suggested soldering pad:**



**Reflow soldering condition:**



**Tape specification:**

