



**QUARTZ CRYSTALS                      MHz range                      SMD-version**

model	KX-KS	
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-KST)	
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 ± 100 ppm, available ± 25 ~ ± 100 ppm	
load capacitance C <sub>L</sub>	standard: 16 pF, avail. 12 - 30 pF	
series resonance R <sub>1</sub> 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 ( first year )	± 5 ppm	
shunt capacitance C <sub>0</sub> max.	7,0 pF	
drive level in mW	0,1	
contents of reel	1000 pcs.	
RoHS	started from date code May, 2005	
part no.	12.88000 ~ 12.88199	

