

## QUARTZ CRYSTALS

### Cylindrical type

model	KX-38	
frequency range	32,768 kHz	
holder type	3 x 8 mm	
operating temperature	standard - 20°C ~ +70°C available - 40°C ~ +85°C (= KX-38T)	
frequency tolerance at +25°C	± 20 ppm	
temperature tolerance at -20° ~ +70°C at -40° ~ +85C	-0.042ppm / °C <sup>2</sup> typ.	
load capacitance C <sub>L</sub>	6 pF	12,5 pF
series resistance R <sub>1</sub> max.	30k Ohm	
aging (first year)	± 3 ppm	
shunt capacitance C <sub>0</sub> max.	1,3 pF	
drive level in mW	0,01	
lead-free	started from date code July, 2005	
order no.	12.80104	12.80100 / 12.80101-T

