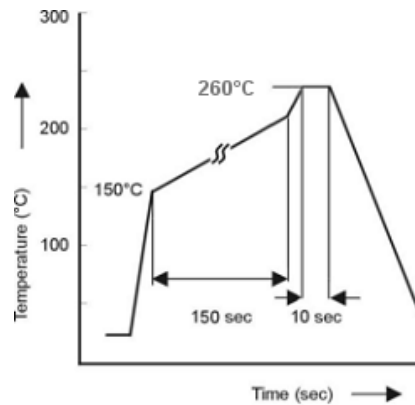
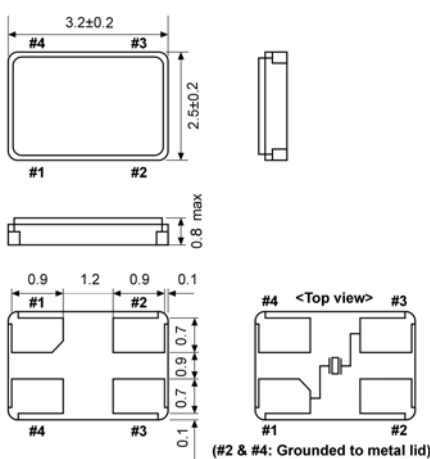


# QUARTZ CRYSTALS

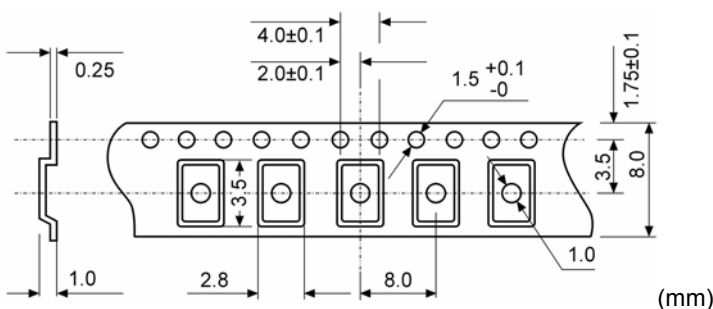
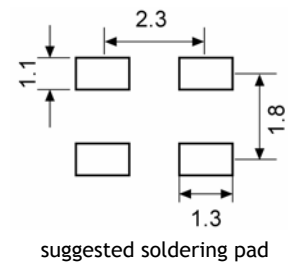
MHz range

SMD-version

model	KX - 7	
frequency range	12,0 ~ 60,0 MHz	
mode	fundamental	
operating temperature	standard -20° ~ + 70° C available -40° ~ + 85° C (=KX-7T) available -40° ~ +105° C (=KX-7E)	
frequency tolerance at +25° C	standard ± 30 ppm available ± 10 ~ ± 50 ppm	
temperature tolerance -20° ~ + 70° C -40° ~ + 85° C -40° ~ +105° C	standard ± 50 ppm, available ±10 ~ ±50 ppm standard ±100 ppm, available ±20 ~ ± 100 ppm standard ±120 ppm, available ±30 ~ ± 120 ppm	
load capacitance $C_L$	standard 12 pF available 7 ~ 20 pF	
series resonance $R_1$ max.	12,0 ~ 30,0 MHz	100 Ohm
	30,1 ~ 60,0 MHz	50 Ohm
aging ( first year )	± 5 ppm	
shunt capacitance $C_0$ max.	5,0 pF	
drive level in mW max.	0,05	
RoHS	since production start	
contents of reel	1000 pcs.	
part no.	12.88600 ~ 12.88799	



soldering condition



reel diameter 178 mm