

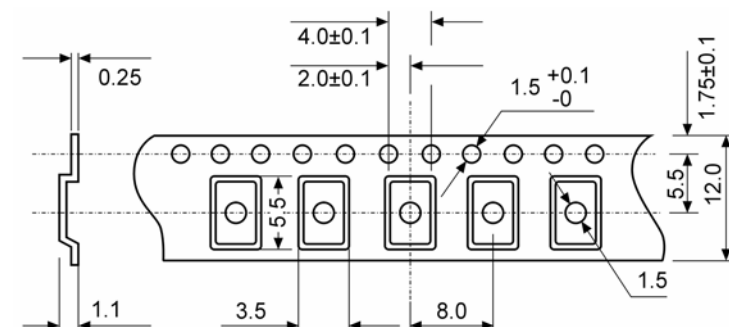
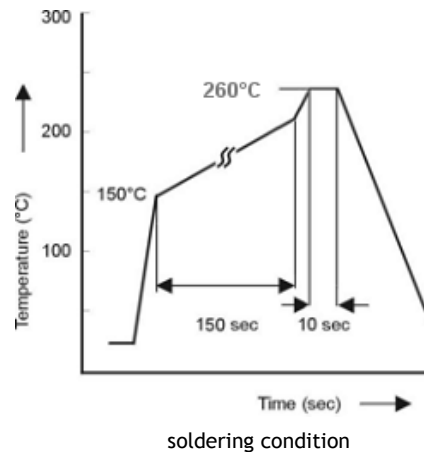
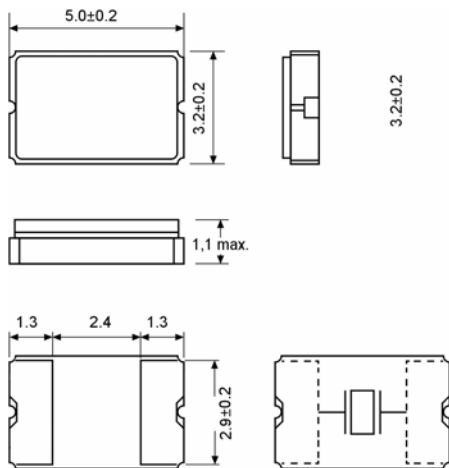


## QUARTZ CRYSTALS

## MHz range

## SMD-version

model	KX - 9B		
frequency range	8,0 ~ 50,0 MHz		
mode	fundamental		
operating temperature	standard	-20° ~ + 70° C	
	available	-40° ~ + 85° C (=KX-9BT)	
	available	-40° ~ +105° C (=KX-9BE)	
frequency tolerance at +25° C	standard	± 50 ppm	
	available	± 10 ~ ± 50 ppm	
temperature tolerance -20° ~ + 70° C	standard	± 50 ppm, available ±10 ~ ± 50 ppm	
-40° ~ + 85° C	standard	±100 ppm, available ±20 ~ ± 100 ppm	
-40° ~ +105° C	standard	±120 ppm, available ±30 ~ ± 120 ppm	
load capacitance $C_L$	standard	16 pF	
	available	10 ~ 20 pF	
series resonance $R_1$ max.	fundamental	8,0 ~ 16,0 MHz	100 Ohm
		16,1 ~ 20,0 MHz	60 Ohm
		20,1 ~ 50,0 MHz	40 Ohm
aging ( first year )	± 2 ppm		
shunt capacitance $C_0$ max.	5,0 pF		
drive level in mW max.	0,1		
contents of reel	1000 pcs.		
RoHS	since production start		
part no.	12.89400 ~ 12.89499		



(mm) reel diameter 178 mm