

Clock Oscillator

SMD-version

1,8V 2,5V 3,0V 3,3V

model	KXO-V99	
frequency range	1,0 ~ 200,0 MHz	
frequency stability at -20° ~ +70°C at -40° ~ +85°C	± 50 ppm ± 100 ppm	
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (=KXO-V99T)	
storage temperature	-55° ~ +125°C	
symmetry at 1,0 ~ 70,0 MHz at 70,1 ~ 200,0 MHz	45%/55% ± 10% at ½ Vcc level 40%/60% ± 10% at ½ Vcc level	
rise & fall time max.	4 ns	
"0" level max.	Vcc x 0,1V	
"1" level min.	Vcc x 0,9 V	
input voltage Vcc	standard + 3,3V ± 5% available +1,8V ± 5%/ +2,5V / +3,0V each type ±5%	
input current max.	8 mA max. (1,0 ~ 20,0 MHz) 15 mA max. (20,1 ~ 40,0 MHz) 22 mA max. (40,1 ~ 60,0 MHz) 25 mA max. (60,1 ~ 70,0 MHz)	30 mA max. (70,1 ~ 125,0 MHz) 65 mA max. (125,1 ~ 165,0 MHz) 75 mA max. (165,1 ~ 200,0 MHz)
output load	15pF	
start up time max.	10 ms	
tristate function	yes	
disable delay time	100 ns max.	
enable delay time	4 ms max.	
stand by current	10 µA max.	
random jitter	7pS max.	
peak to peak jitter	40pS max.	
contents of reel	1000 pcs.	
RoHS	since production start	
part no.	12.94600 ~ 12.94799	

