









Clock Oscillator SMD-version

+1.8 / +2.5 / +3.0 / +3.3 V

CIUCK Oscillator	SIMD-AGISIOH	T1.0 / T2	2.5 / +3.0 / +3.3 V
part no.	12.xxxxx		
model	KXO-V97		
frequency range	1.0 ~ 50.0 MHz	50.1 ~ 80.0 MHz	80.1 ~ 160.0 MHz
frequency stability at -20° ~ + 70°C at -40° ~ + 85°C at -40° ~ +105°C	± 50 ppm ±100 ppm ±120 ppm		
operating temperature	available	1 -20° ~ + 70° C 2 -40° ~ + 85° C (=KXO-V97T) 2 -40° ~ +105° C (=KXO-V97E)	
storage temperature	-55° ~ +125°C		
input voltage V _{DD}	standard + 3.3V DC ± 10% available +1.8V DC ± 5%/ +2.5V DC ± 5%/ +3.0V DC ±10%		
input current	+1.8V +2.5V +3.0V/+3.3V 1.0 ~ 20.0 3.5 mA typ., 4.0 mA typ., 4.0 mA typ., 6.0 mA max 11.0 mA max 6.0 mA max 20.1 ~ 50.0 4.5 mA typ., 6.0 mA typ., 6.0 mA typ., MHz 6.0 mA max 11.0 mA max 11.0 mA max	mA max. 66.0 mA max	30.0 mA typ., 4.0 mA max.
symmetry	50% ± 10% at ½ V _{DD} level		
rise & fall time max.	5 ns		
"O" level max.	+0.4V		
"1" level min.	V _{DD} -0.5V		
output load	1.0 ~ 33.0 MHz 30 pF 33.1 ~ 75.0 MHz 30 pF 75.1 ~ 160.0 MHz 15 pF		
start up time max.	10 ms	10 ms	4 ms
tri-state function	yes		
disable delay time max.	50 μs		
enable delay time max.	4 ms		
phase jitter	(12 kHz – 20 MHz) with 1 ps		
random jitter max.	7ps		
peak to peak jitter max.	40ps		
contents of reel	1000 pcs.		

