

VCXO

Voltage Controlled Crystal Oscillator

SMD-version

model	KXO-75
frequency range	1,544 ~ 77,760 MHz
frequency stability at -10° ~ +60°C at -20° ~ +70°C at -40° ~ +85°C	±10 ~ ±50 ppm ±20 ~ ±50 ppm ±30 ~ ±50 ppm
storage temp.range	-40°C ~ +85°C
operating temp.range	-10°C ~ +60°C -40°C ~ +85°C
symmetry at ½ Vdd level	50% ± 5%
rise and fall time (max.) 20% ~ 80% Vdd level	5 ns
start up time (max.)	10 ms
output level	VOH : 90% of Vdd min. VOL: 10% of Vdd max.
input voltage (Vdd)	3,3V ± 5%
input current (max.) no load	1,544 ~ 20,0 MHz = 10mA 20,1 ~ 40,0 MHz = 15mA 40,1 ~ 77,760 MHz = 25mA
output load CMOS	15 pF
control voltage* (Vc)	0 V ~ 3,3 V
pulling range	±10 ~ ±150 ppm min.
frequency linearity max.	± 15%
period jitter: absolut	±100ps max.
period jitter: one sigma	± 10ps max.
lead-free	since production start
order no.	12.96700 ~ 12.96799

* Vc should be kept ground level or left open when the VCXO is powered on.

