

## VCXO

### Voltage Controlled Crystal Oscillator

**SMD-version**

model	KXO-75
frequency range	2,0 ~ 40,0 MHz
frequency stability at +1,65V	± 50 ppm
storage temp.range	-45°C ~ +90°C
operating temp.range	standard -20°C ~ +70°C available -40°C ~ +85°C
symmetry at ½ Vdd level	50% ± 5%
rise and fall time (max.) 20% ~ 80% Vdd level	5 ms
start up time (max.)	4 ms
output level	VOH : 0,9Vdd min. VOL : 0,5V min.
"0" level max.	+0,4V
"1" level min.	Vdd -0,4V
"0" sink current	3,2mA
"1" source current	0,8 mA
input voltage (Vdd)	3,3V ± 5%
input current (max.) no load	11mA
output load CMOS	30 pF
voltage control (Vcon)	+1,65V ±1,65V*
pulling range	±90 ppm min.
frequency linearity (max.) (positive slope)	± 15%
SSB phase noise	-120 dBc/Hz max. at 1kHz offset
modulation bandwidth	10kHz min. (-3dB)
tri-state control:	#2: open → #4: output #2: +2,20V min. → #4: output #2: +0,80V max. → #4: high impedance
order no.	12.96700 ~ 12.96799

\* Vcon should be kept ground level or left open when the VCXO is powered in.

