

## VCXO

### Voltage Controlled Crystal Oscillator

### DIL-version

model	KXO-810
package	DIL 8
frequency range	1,0 ~ 60,0 MHz
frequency stability	±15 ~ 50 ppm at -10°C ~ +60°C ±20 ~ 50 ppm at -20°C ~ +70°C ±50 ppm at -40°C ~ +85°C
aging (at +25°C) max.	± 3 ppm / year
storage temperature range	-40°C ~ +85°C
operating temperature range	standard -10°C ~ +60°C available -20°C ~ +70°C available -40°C ~ +85°C
symmetry	50% ± 10% (+1/2V <sub>DD</sub> )
rise and fall time (max)	5nS
output level (VOH)	TTL: 2,4V DC min. CMOS: V <sub>DD</sub> - 0,5V DC min.
output level (VOL)	TTL: 0,4V DC max. CMOS: 0,5V DC max.
input voltage	+5,0VDC ± 5%
input current max.	1,0 ~ 25,0 MHz = 15mA 25,001 ~ 50,0 MHz = 25mA 50,001 ~ 80,0 MHz = 35mA 80,001 ~ 155,52 MHz = 45mA
output load	CMOS/TTL, 15pF/10 gates
linearity	±10 %, ±15 %, ±20 %
start up time	10ms max.
control voltage	+1,65VDC±1,65V
pulling range	±10 ~ ± 200 ppm min.
pin connection	# 1 : V.C. # 7 : GND # 8 : OUTPUT #14 : +Vcc
period jitter: absolut	100ps max. ≤60,0 MHz 200ps max. ≥40,0 MHz
period jitter: one sigma	25ps max. ≤60,0 MHz 50ps max. ≥40,0 MHz
lead-free	started from date code May, 2005
packing unit	40 pcs.
order no.	12.96800 ~ 12.96999

