

VCTCXO

SMD-version

Voltage Controlled Temperature Compensated Crystal Oscillator

model	KXO-83	
frequency range	12,0 ~ 26,0 MHz	
output	load	10 kOhm // 10pF
	voltage	0,8Vp-p min.
	waveform	clipped sine-wave
Frequency Stability	vs. temp.range	$\pm 1,5 - \pm 5,0$ ppm at $-10^{\circ}\text{C} - +60^{\circ}\text{C}$ $\pm 2,0 - \pm 5,0$ ppm at $-20^{\circ}\text{C} - +70^{\circ}\text{C}$ $\pm 2,0 - \pm 5,0$ ppm at $-40^{\circ}\text{C} - +85^{\circ}\text{C}$
	vs. input voltage	$\pm 0,3$ ppm max. $\pm 5\%$
	vs. load	$\pm 0,3$ ppm max. at $10\text{ kOhm} \pm 10\% // 10\text{ pF} \pm 10\%$
	vs. aging	$\pm 1,0$ ppm / year max. at $+25^{\circ}\text{C}$
operating temperature range	$-10^{\circ}\text{C} - +60^{\circ}\text{C}$ $-20^{\circ}\text{C} - +70^{\circ}\text{C}$ $-40^{\circ}\text{C} - +85^{\circ}\text{C}$	
input voltage Vcc	$+3\text{V DC} \pm 5\%$	
frequency control voltage (VC)	$+1,5\text{Vdc} \pm 1\text{Vdc}$ positiv transfer characteristic	
input current max.	1,2 mA typ. (2mA max. without load)	
frequency adjustment (pullability)	voltage control ± 5 ppm min. positive slope	
start-up time	3 ms max.	
aging at 25°C	± 1 ppm/year max.	
pin connection	# 1 : VC # 3 : Output # 2 : GND # 4 : Vcc	
RoHS	since production start	
contents of reel	1000 pcs.	
part no.	12.97200 ~ 12.97299	

