



VCXO HCMOS

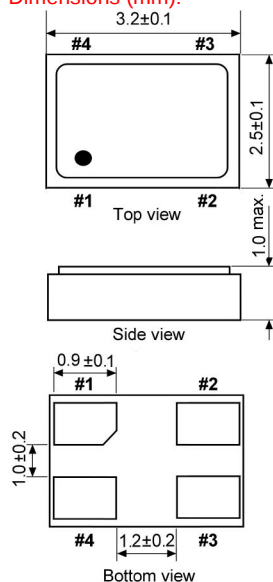
SMD-version

+3.3 V

Voltage Controlled Crystal Oscillator

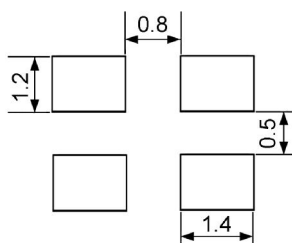
part no.	12.92600
model	KXO-77
frequency	27.0 MHz
supply voltage V_{DD}	+3.3 V DC $\pm 5\%$
frequency control voltage (PIN1)	1.65 V ± 1.35 V
frequency stability	over all parameters ± 37 ppm over $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ (referred to $+25^{\circ}\text{C}$)
output	load 15 pF
	waveform HCMOS
operating temperature range	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
storage temperature range	$-55^{\circ}\text{C} \sim +125^{\circ}\text{C}$
supply voltage range	+1.8 $\sim$ +3.3 V
supply current typ.	2.0 mA
start-up time max.	5 ms
symmetry	40 % / 60 % at $\frac{1}{2} V_{DD}$ level
rise and fall time max.	10 ns
frequency adjustment (pullability) min.	± 100 ppm
phase jitter max.	1.0 ps RMS
phase noise max.	-80 dBc / Hz at 10 Hz -110 dBc / Hz at 100 Hz -135 dBc / Hz at 1 kHz -140 dBc / Hz at 10 kHz -145 dBc / Hz at 100 kHz
contents of reel	1000 pcs.

Dimensions (mm):

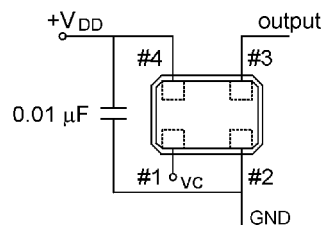


Pin	Connection
1	VC
2	GND
3	OUTPUT
4	V_{DD}

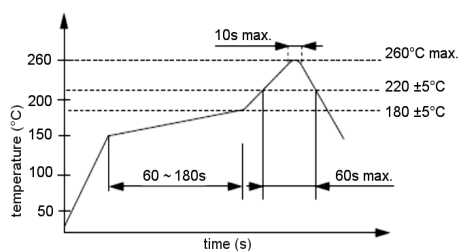
Suggested soldering pad:



Test circuit:



Reflow soldering condition:



Tape specification:

