

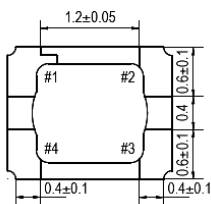
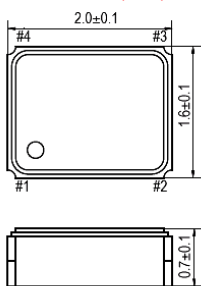
VCTCXO

SMD-version +1.2 / +1.8 / +2.5 / +3.3V

Voltage Controlled Temperature Compensated Crystal Oscillator

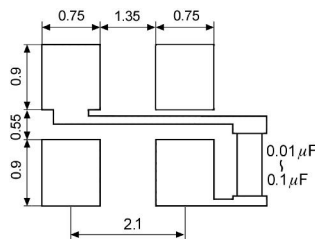
model	KXO-81
frequency range	13.0 ~ 40.0 MHz
initial frequency tolerance	± 1.5 ppm max.
frequency stability	±2.5ppm over -30°C ~ +75°C (referred to +25°C) ±0.3ppm max. at V _{DD} ±5% DC ± 0.2 ppm max. ± 1.0ppm max. / year at +25°C ±2°C
temperature range	
input voltage change	
output load change	
aging	
supply voltage	-0,3 ~ 6,0V
operating conditions	-30°C ~ +75°C +1.2V DC, +1.8V DC, +2.5V DC, +3.3V DC ±5% ½ V _{DD} ±1V DC
operating temperature	
input voltage (V _{DD})	
control voltage (VC)	
storage temperature	-40°C ~ +85°C
input current	1.5 mA max.
output	clipped sine wave level: 0,8Vp-p min. at 10 kΩ//10 p load: 10k Ω ±10% // 10 pF ± 10% waveform: clipped sine wave(DC-coupling)
pulling range	± 9 ppm ~ ± 15 ppm
reflow frequency change	± 1,0ppm after reflow (at +25°C ± 2°C)
start up time	2 mS max.
typical phase noise	-80 dBc/Hz at 10 Hz -110 dBc/Hz at 100 Hz -130 dBc/Hz at 1 kHz -145 dBc/Hz at 10 kHz -150 dBc/Hz at 100 kHz -150 dBc/Hz at 1 MHz
contents of reel	2000 pcs.
part no.	12.xxxxx

Dimensions (mm):

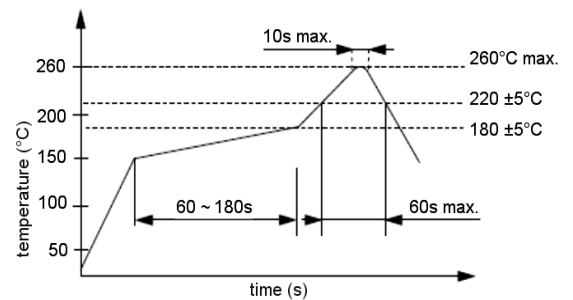


PIN	Connection
1	VC
2	GND
3	OUTPUT
4	V _{DD}

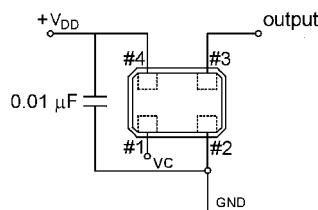
Suggested soldering pad:



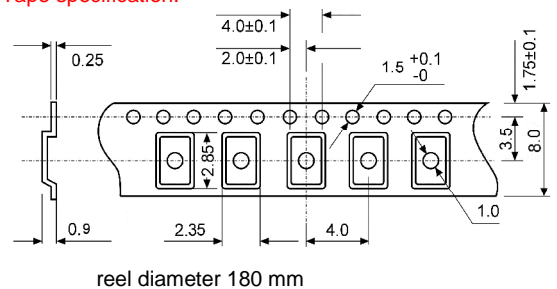
Reflow soldering condition:



Test circuit:



Tape specification:



reel diameter 180 mm