

## VCXO HCMOS

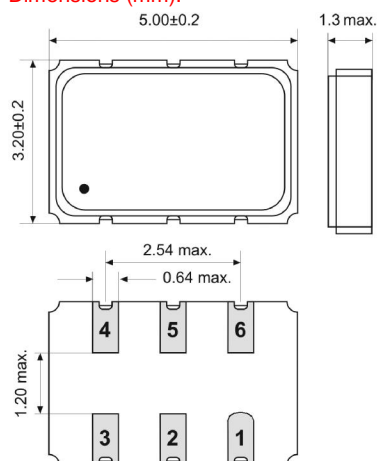
SMD-version

+2.5 / +3.3V

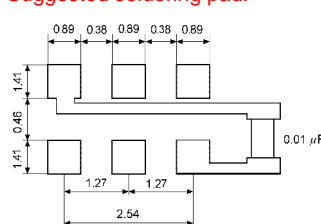
Voltage Controlled Crystal Oscillator

part no.		12.xxxxx
model		KXO-72
frequency range		1.0 ~ 80.0 MHz
frequency stability	incl. all parameters	±50 ppm over -20°C ~ +70°C (referred to +25°C) ±100 ppm over -40°C ~ +85°C (referred to +25°C)
output	load	15 pF
	waveform	HCMOS
operating temperature range		-20°C ~ +70°C -40°C ~ +85°C
storage temperature range		-55°C ~ +125°C
supply voltage range		+2.5 ~ +3.6V
input voltage V <sub>DD</sub>		+2.5V DC ±5% or +3.3V DC ±5%
input current max.		10 mA at 1.0 MHz ~ 30 mA at 80.0 MHz (no load)
start-up time max.		10 ms
symmetry		40% / 60% at ½ V <sub>DD</sub> level
rise and fall time max.		10 ns
frequency control voltage		1.65V ±1.35V at +3.3V 1.25V ±1.05V at +2.5V
frequency adjustment (pullability) min.		± 50 ppm ~ ±100 ppm
phase jitter max.		1.0 ps
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.

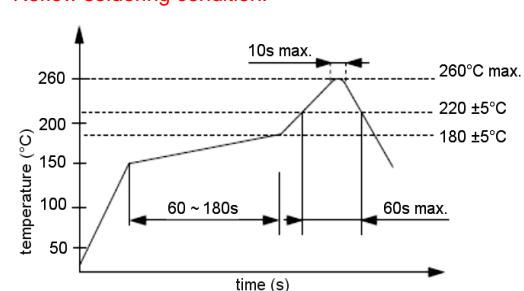
### Dimensions (mm):



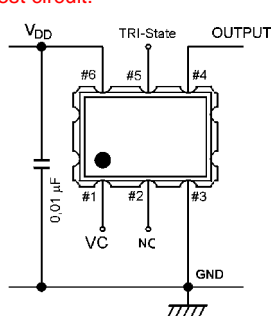
### Suggested soldering pad:



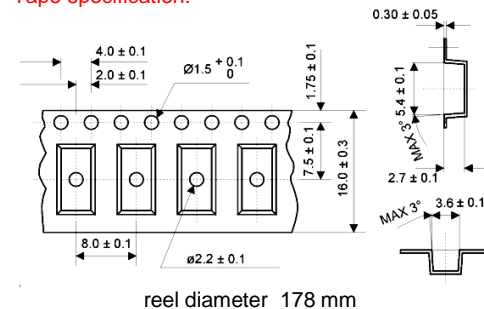
### Reflow soldering condition:



### Test circuit:



### Tape specification:



Pin	Connection
1	VC
2	NC
3	GND
4	OUTPUT
5	Tri-State
6	V <sub>DD</sub>