



VCXO HCMOS

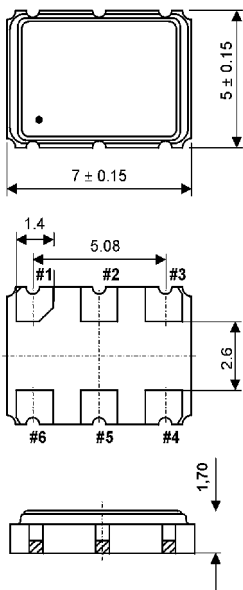
SMD-version

+3.3V

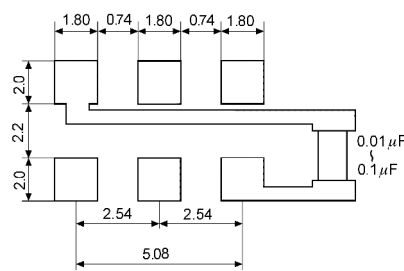
Voltage Controlled Crystal Oscillator

part no.	12.xxxxx	
model	KXO-75	
frequency range	1.544 ~ 77.760 MHz	
frequency stability	over all parameters	±10 ppm ~ ±50 ppm over -10°C ~ +60°C (referred to +25°C) ±20 ppm ~ ±50 ppm over -20°C ~ +70°C (referred to +25°C) ±30 ppm ~ ±50 ppm over -40°C ~ +85°C (referred to +25°C)
output	load	15 pF
	waveform	HCMOS
operating temperature range	-10°C ~ +60°C -20°C ~ +70°C -40°C ~ +85°C	
storage temperature range	-40°C ~ +85°C	
supply voltage range	+2.5 ~ +3.6V	
input voltage V _{DD}	+3.3V DC ±5%	
input current max.	1.544 ~ 20.0 MHz 10 mA (no load) 20.1 ~ 40.0 MHz 15 mA (no load) 40.1 ~ 77.760 MHz 25 mA (no load)	
start-up time max.	10 ms	
symmetry	50% at ½ V _{DD} level	
rise and fall time max.	5 ns	
"0" level max.	V _{OL} : 10% V _{DD}	
"1" level min.	V _{OH} : 90% V _{DD}	
frequency control voltage	0V ~ +3.3V	
frequency adjustment (pullability) min.	± 80 ppm ~ ±150 ppm	
phase jitter absolut max.	100 ps	
phase jitter one sigma max.	10 ps	
contents of reel	1000 pcs.	

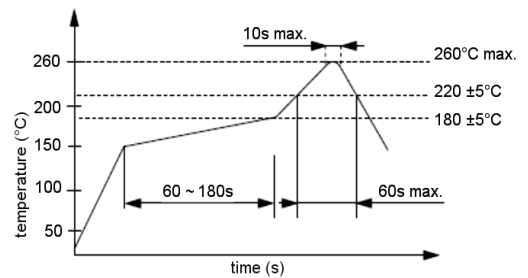
Dimensions (mm):



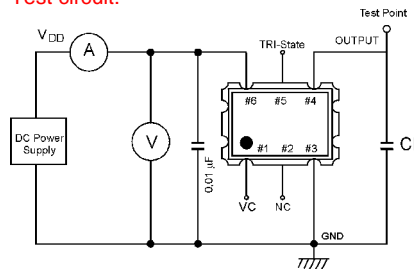
Suggested soldering pad:



Reflow soldering condition:



Test circuit:



PIN	Connection
1	VC
2	NC
3	GND
4	Z OUTPUT
5	"L" (OV) "H" (+3,3V) or OPEN
6	V _{DD}

Z= High Impedance