



VCXO

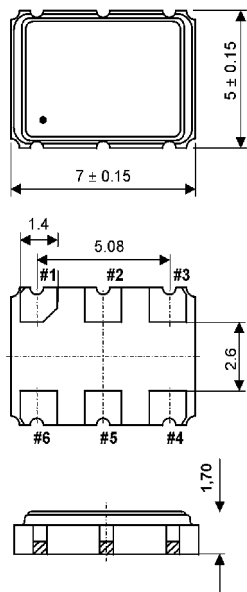
Voltage Controlled Crystal Oscillator

SMD-version

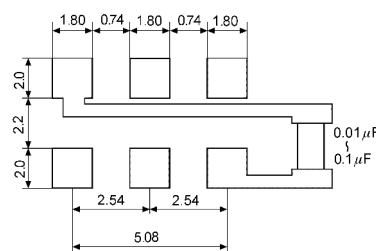
model	KXO-75
frequency range	1,544 ~ 77,760 MHz
frequency stability at -10° ~ +60°C	±10 ~ ±50 ppm
at -20° ~ +70°C	±20 ~ ±50 ppm
at -40° ~ +85°C	±30 ~ ±50 ppm
operating temperature	-10°C ~ +60°C -40°C ~ +85°C
storage temperature	-40°C ~ +85°C
symmetry at ½ V _{DD} level	50% ± 5%
rise and fall time (max.) 20% ~ 80% V _{DD} level	5 ns
start up time max.	10 ms
output level	V _{OH} : 90% of V _{DD} min. V _{OL} : 10% of V _{DD} max.
input voltage V _{DD}	3,3V ± 5%
input current max. no load	1,544 ~ 20,0 MHz = 10mA 20,1 ~ 40,0 MHz = 15mA 40,1 ~ 77,760 MHz = 25mA
output load CMOS	15 pF
control voltage VC	0 V ~ 3,3V
pulling range min.	±50 ~ ±150 ppm min.
frequency linearity max.	± 15% max.
period jitter: absolut max.	±100ps max.
period jitter: one sigma max.	± 10ps max.
contents of reel	1000 pcs.
part no.	12.xxxxx

* Vcon should be kept ground level or left open when the VCXO is powered in.

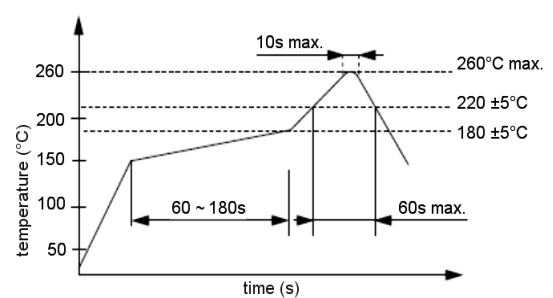
Dimensions (mm):



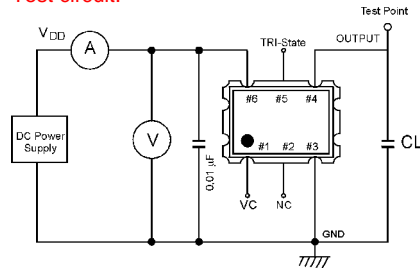
Suggested soldering pad:



Reflow soldering condition:



Test circuit:



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

Z= High Impedance