

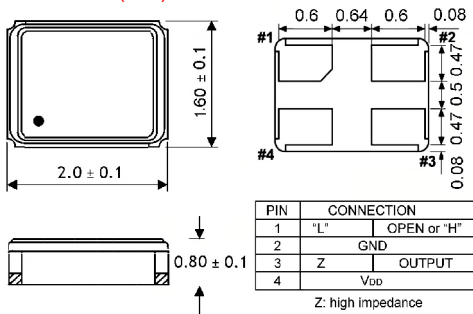


Clock Oscillator SMD-version

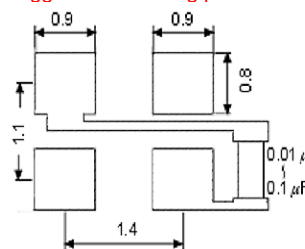
+1.8 / +2.5 / +2.8 / +3.0 / +3.3V

part no.	12.xxxxx			
model	KXO-V94			
frequency range	1.0 ~ 100.0 MHz			
frequency stability at -20° ~ +70°C and -40° ~ +85°C	±25 ppm, ±50 ppm, ±100 ppm			
operating temperature range	standard -20° ~ +70°C available -40° ~ +85°C (=KXO-V94T)			
storage temperature range	-55° ~ +100°C			
supply voltage range	-0.5V ~ +4.0V			
input voltage V _{DD}	+1.8V DC ±5%, +2.5V DC ±5%, +2.8V DC ±5%, +3.0V DC ±5% or +3.3V DC ±5%			
input current max.	0.75 ~ 19.9 MHz	+1.8V	+2.5V/+2.8V	+3.0V/+3.3V
	20.0 ~ 39.9 MHz	2.5 mA	4.5 mA	6.0 mA
	40.0 ~ 49.9 MHz	3.0 mA	5.5 mA	7.0 mA
	50.0 ~ 79.9 MHz	3.5 mA	6.5 mA	8.0 mA
	80.0 ~ 100.0 MHz	6.5 mA	7.0 mA	9.0 mA
symmetry	45% ~ 55% at 50% V _{DD} level			
rise & fall time max.	6 ns (10% V _{DD} ~ 90% V _{DD} level)/V _{DD} = +1.8V 5 ns (10% V _{DD} ~ 90% V _{DD} level)/V _{DD} +2.5V +2.8V +3.0V +3.3V			
"0" level max.	VOL: 10% V _{DD}			
"1" level min.	VOH: 90% V _{DD}			
tri-state control voltage (Pin#1)	VIH: V _{DD} x 0.7 min. VIL: V _{DD} x 0.3 max.			
output load max.	15pF HCMOS			
start up time max.	10 ms			
disable delay time max.	150 ns			
enable delay time max.	10 ms			
stand by current max.	10 µA (Pin #1=VIL)			
contents of reel	1000 pcs. / 3000 pcs.			

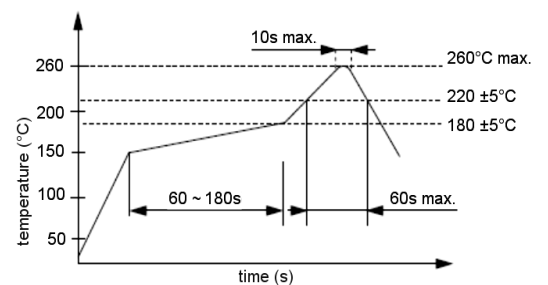
Dimensions (mm):



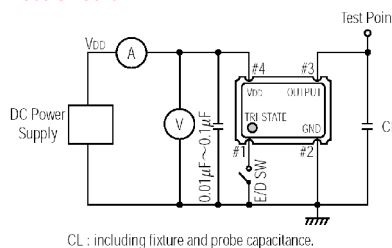
Suggested soldering pad:



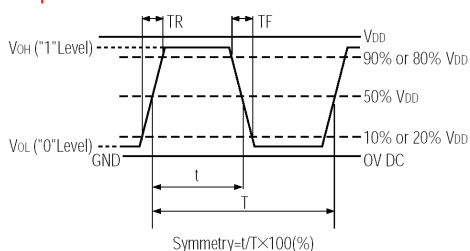
Reflow soldering condition:



Test circuit:



Output waveform:



Tape specification:

