

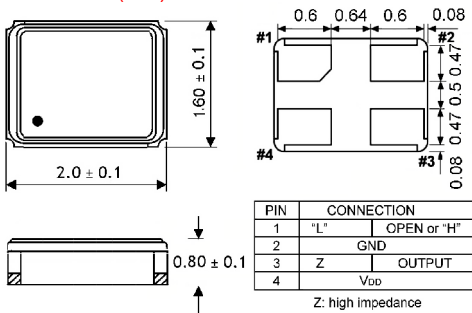


Clock Oscillator SMD-version

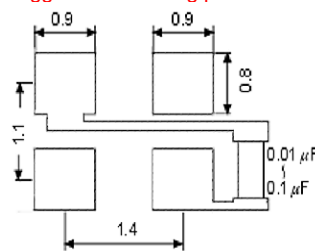
+1.8V / +2.5V / +2.8V / +3.0V / +3.3V

part no.	12.xxxxx			
model	KXO-V94			
frequency range	1.0 ~ 80.0 MHz			
frequency stability at -20° ~ +70°C at -40° ~ +85°C	± 50 ppm ± 100 ppm			
operating temperature	standard -20° ~ +70°C available -40° ~ +85°C (=KXO-V94T)			
storage temperature	-55° ~ +100°C			
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}			
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%			
tri-state control voltage (Pin#1)	VIH: V _{DD} x 0.7 min. VIL: V _{DD} x 0.3 max.			
supply voltage	-0.5V ~ +4.0V			
input current max.		+1.8V	+2.5V/+2.8V	+3.0V/+3.3V
	0.75 ~ 19.9 MHz	2.5mA	4.5mA	6.0mA
	20.0 ~ 39.9 MHz	3.0mA	5.5mA	7.0mA
	40.0 ~ 49.9 MHz	3.5mA	6.5mA	8.0mA
	50.0 ~ 80.0 MHz	6.5mA	7.0mA	9.0mA
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.			

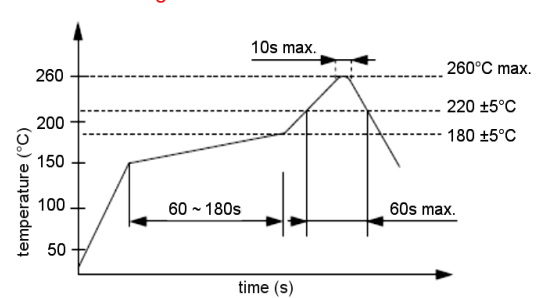
Dimensions (mm):



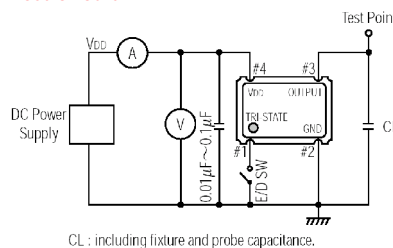
Suggested soldering pad:



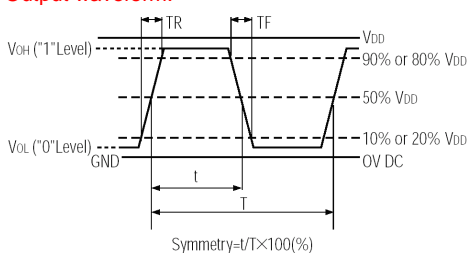
Reflow soldering condition:



Test circuit:



Output waveform:



Tape specification:

