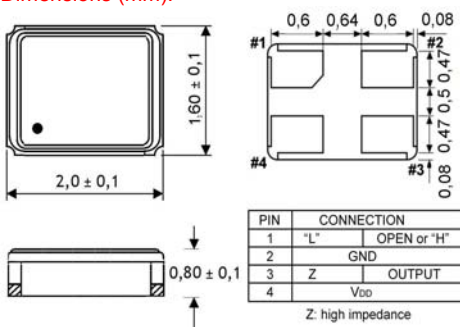


Clock Oscillator SMD-version

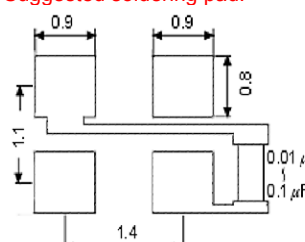
+1,8V / +2,5V / +2,8V / +3,0V / +3,3V

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, +2,5V, +2,8V, +3,0V, +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.	10pF (CMOS)			
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)			
aging for first year max.	±5 ppm at +25°			
RoHS	according to RoHS 2011/65/EU			
contents of reel	1000 pcs.			
part no.	12.90300 ~ 12.90999			

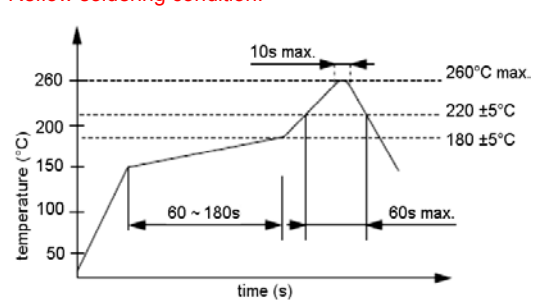
Dimensions (mm):



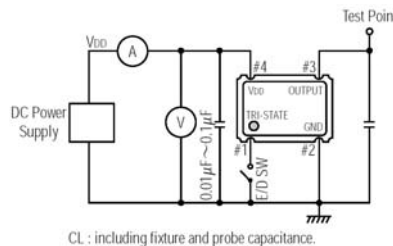
Suggested soldering pad:



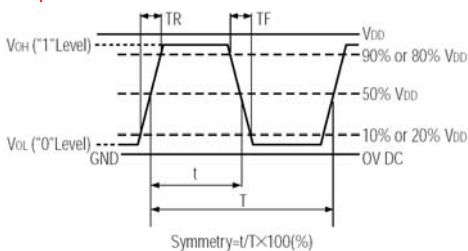
Reflow soldering condition:



Test circuit:



Output waveform:



Tape specification:

