







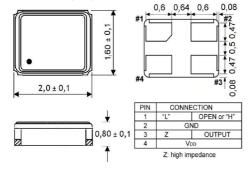


# Clock Oscillator SMD-version

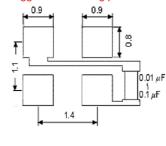
## +1,8V / +2,5V / +2,8V/ +3,0V/ +3,3V

Olook Ooomator Own	11,0 7 12,0 7 10,0 7				
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 <sub>DD</sub> level			
rise & fall time max.		6 ns (10% $V_{DD} \sim 90\%$ $V_{DD}$ level)/ $V_{DD} = +1.8V$ 5 ns (10% $V_{DD} \sim 90\%$ $V_{DD}$ level)/ $V_{DD} +2.5V +2.8V +3.0V +3.3V$			
"O" level max.		VOL: 10% V <sub>DD</sub>			
"1" level min.		VOH: 90% V <sub>DD</sub>			
input voltage V <sub>DD</sub>	+	+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.		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.			
part no.		12.xxxxx			

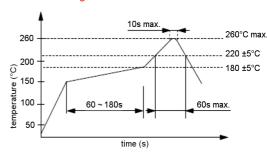
#### Dimensions (mm):

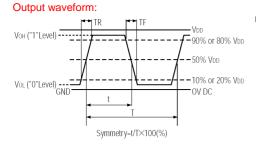


#### Suggested soldering pad:



#### Reflow soldering condition:





### Test circuit:

