

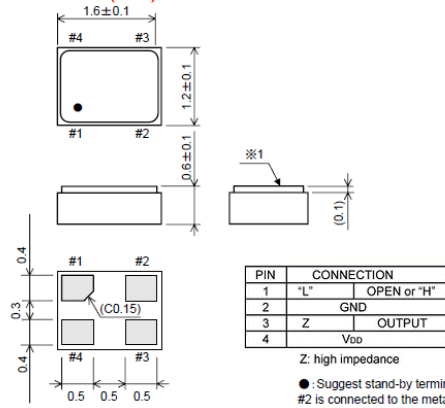


## Clock Oscillator SMD-version

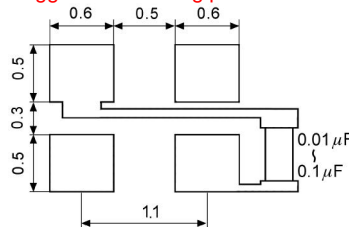
+3.3V

part no.	12.73002
model	KXO-V93T
frequency	40.0 MHz
frequency stability at -40° ~ +85°C	±30 ppm
operating temperature	-40° ~ +85°C
storage temperature	-40° ~ 105°C
symmetry	50% ~ 50% at V <sub>DD</sub> level
rise & fall time max.	4.5 ns (10% V <sub>DD</sub> ~ 90% V <sub>DD</sub> level)/V <sub>DD</sub>
"0" level max.	VOL: 10% V <sub>DD</sub>
"1" level min.	VOH: 90% V <sub>DD</sub>
supply voltage range	+1.60V ~ +3.63V
input voltage V <sub>DD</sub>	+3.3V DC ±5%
tri-state control voltage (Pin#1)	VIH: V <sub>DD</sub> x 0,7 min. VIL: V <sub>DD</sub> x 0,3 max.
input current max.	2 mA at 40 MHz V <sub>DD</sub> +3V, no load
output load max.	15 pF (HCMOS)
start up time max.	2 ms
disable delay time max.	200 ns
enable delay time max.	5 ms
stand by current max.	10 µA (Pin #1=VIL)
random jitter	2.9 ps typ. at V <sub>DD</sub> +3.3V
total jitter	40 ps at V <sub>DD</sub> +3.3V
contents of reel	5000 pcs.

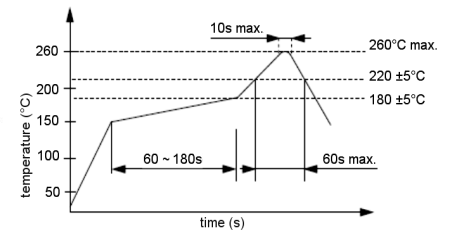
### Dimensions (mm):



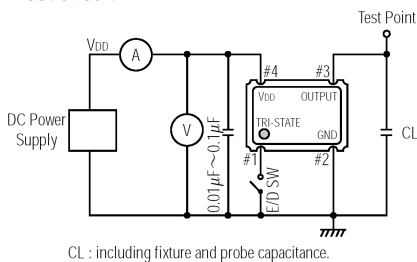
### Suggested soldering pad:



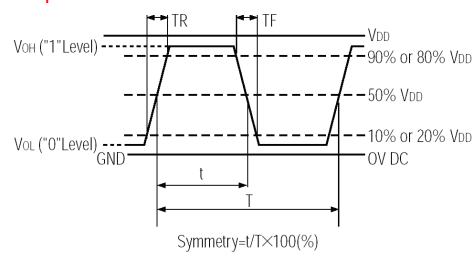
### Reflow soldering condition:



### Test circuit:



### Output waveform:



### Tape specification:

