

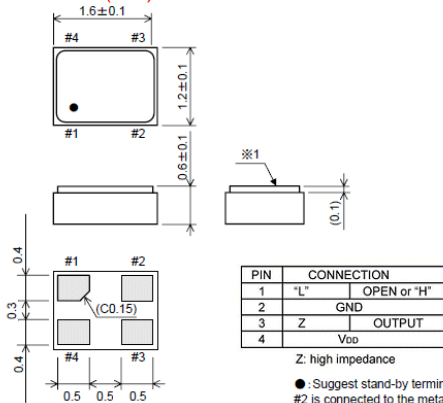


Clock Oscillator SMD-version

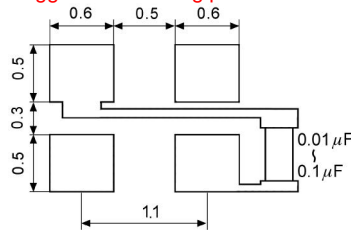
+3.3V

part no.	12.73003
model	KXO-V93T
frequency	50.0 MHz
frequency stability at -40° ~ +85°C	±30 ppm
operating temperature	-40° ~ +85°C
storage temperature	-40° ~ 105°C
symmetry	50% ~ 50% at V _{DD} level
rise & fall time max.	4.5 ns (10% V _{DD} ~ 90% V _{DD} level)/V _{DD}
"0" level max.	VOL: 10% V _{DD}
"1" level min.	VOH: 90% V _{DD}
supply voltage range	+1.60V ~ +3.63V
input voltage V _{DD}	+3.3V DC ±5%
tri-state control voltage (Pin#1)	VIH: V _{DD} x 0,7 min. VIL: V _{DD} x 0,3 max.
input current max.	2 mA at 40 MHz V _{DD} +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 _{DD} +3.3V
total jitter	40 ps at V _{DD} +3.3V
contents of reel	5000 pcs.

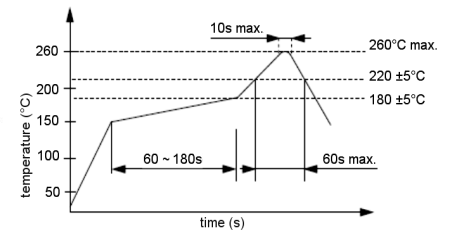
Dimensions (mm):



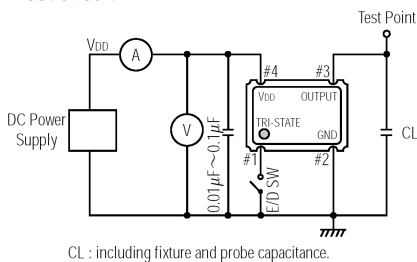
Suggested soldering pad:



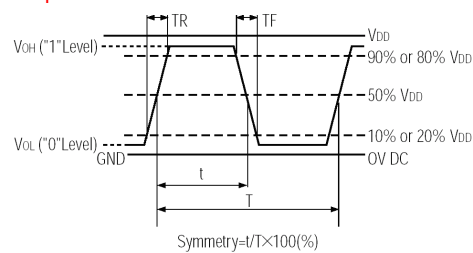
Reflow soldering condition:



Test circuit:



Output waveform:



Tape specification:

