

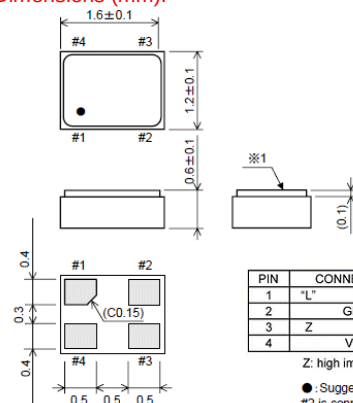


Clock Oscillator SMD-version

+3.3V

part no.	12.73000
model	KXO-V93T
frequency	20.0 MHz
frequency stability at -20° ~ +70°C	±30 ppm
operating temperature	-40° ~ +85°C
storage temperature	-40° ~ +85°C
symmetry	45% ~ 55% at 50% V _{DD} level
rise & fall time max.	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}
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.
supply voltage	-0.5V ~ +4.0V
input current max.	5 mA
output load max.	15pF (HCMOS)
start up time max.	5 ms
disable delay time max.	200 ns
enable delay time max.	5 ms
stand by current max.	10 µA (Pin #1=VIL)
contents of reel	5000 pcs.

Dimensions (mm):

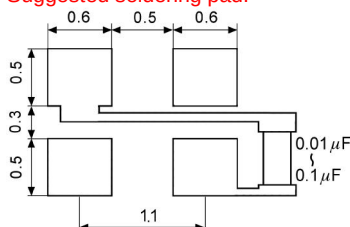


PIN	CONNECTION
1	"L" OPEN or "H"
2	GND
3	Z OUTPUT
4	V _{DD}

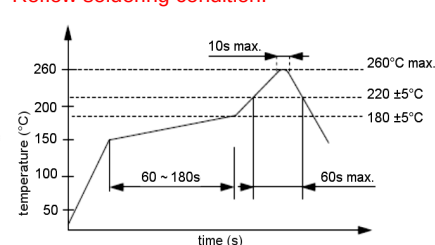
Z: high impedance

● Suggest stand-by terminal
#2 is connected to the metal lid (※1).

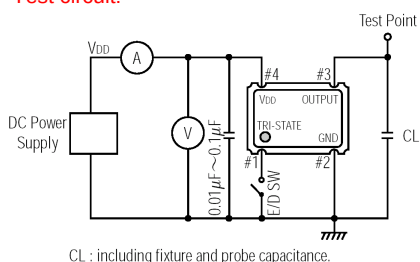
Suggested soldering pad:



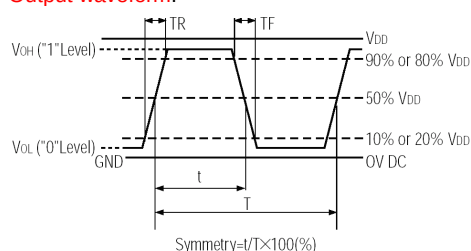
Reflow soldering condition:



Test circuit:



Output waveform:



Tape specification:

