

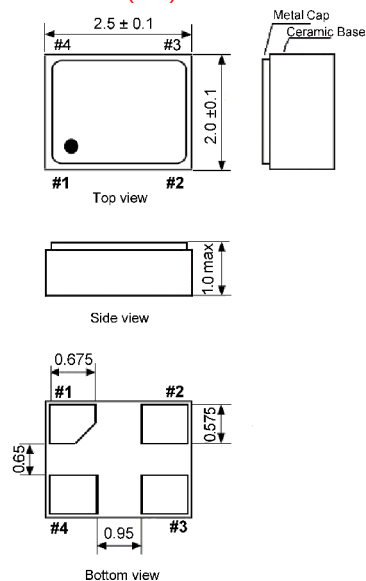


Clock Oscillator SMD-version

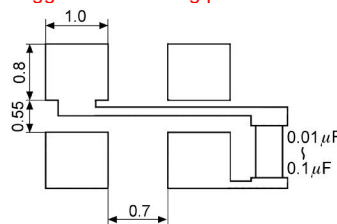
+3.3 V

part no.	12.95533
model	KXO-V95T
frequency	25.0 MHz
frequency stability -40° ~ +85°C	±50 ppm
operating temperature	-40° ~ +85°C
storage temperature	-55° ~ +125°C
supply voltage range	+1.8 V ~ +3.6 V
supply voltage V _{DD}	+3.3 V DC ±5 %
supply current	3.4 mA typ., 7.0 mA max.
symmetry	40 % ~ 60 % at 50 % V _{DD} level
rise & fall time max.	10 ns (10 % V _{DD} ~ 90 % V _{DD} level)
"0" level max.; "1" level min.	V _{OL} : 10 % V _{DD} ; V _{OH} : 90 % V _{DD}
tri-state control voltage (Pin#1)	V _{IH} : V _{DD} x 0.7 min.; V _{IL} : V _{DD} x 0.3 max.
output load max.	15 pF (HCMOS)
start up time max.	10 ms
disable/enable delay time max	200 ns / 10 ms
stand by current max.	50 µA (Pin #1 = V _{IL})
jitter max.	deterministic jitter 5 ps norm 1-sigma 7 ps random jitter 7 ps peak to peak 40 ps
contents of reel	1000 pcs.

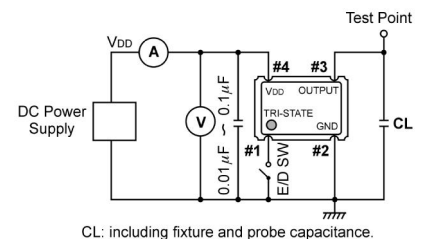
Dimensions (mm):



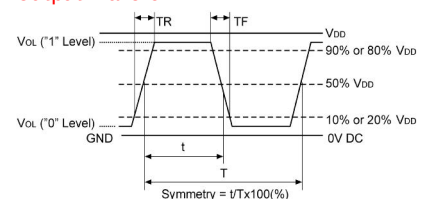
Suggested soldering pad:



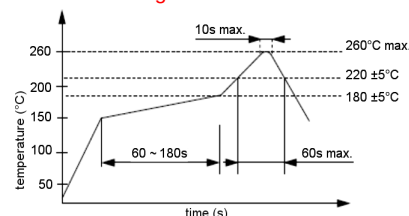
Test circuit:



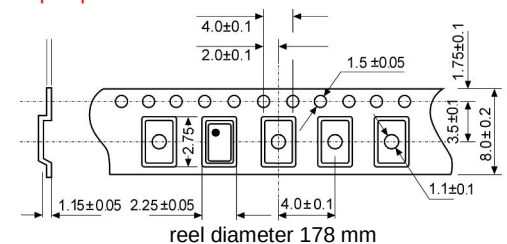
Output Waveform:



Reflow soldering condition:



Tape specification:



Pin	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance