

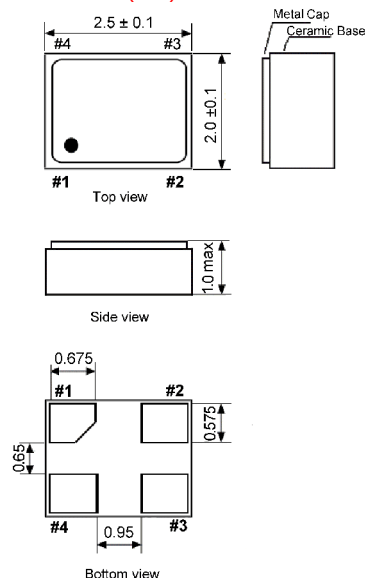


Clock Oscillator SMD-version

+1.8 V

part no.	12.95338
model	KXO-V95T
frequency	25.0 MHz
frequency stability at -40 ~ +85°C	± 25 ppm
operating temperature	-40° ~ +85°C
storage temperature	-40° ~ +85°C
supply voltage V _{DD}	+1.8 V DC ±5 %
supply current	1.8 mA typ., 5.0 mA max.
symmetry	45 % ~ 55 % at ½ V _{DD} level
rise & fall time max.	3 ns (10 % V _{DD} ~ 90 % V _{DD} level)
"0" level max.	V _{OL} : 10 % V _{DD}
"1" level min.	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.
supply voltage range	+1.8 V ~ +3.6 V
output load max.	15 pF HCMOS
start up time max.	10 ms
disable delay time max.	200 ns
enable delay time max.	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.

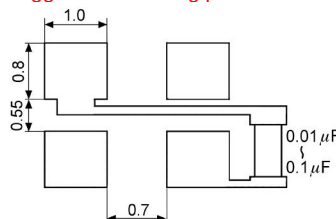
Dimensions (mm):



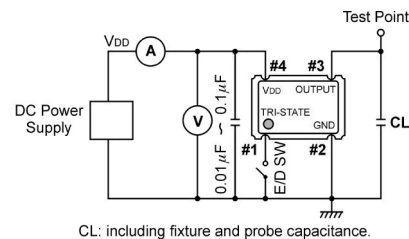
Pin	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance

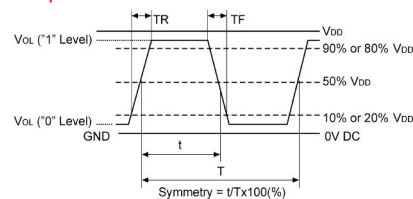
Suggested soldering pad:



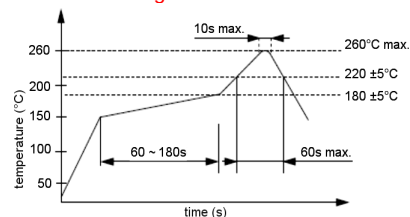
Test circuit:



Output Waveform:



Reflow soldering condition:



Tape specification:

