

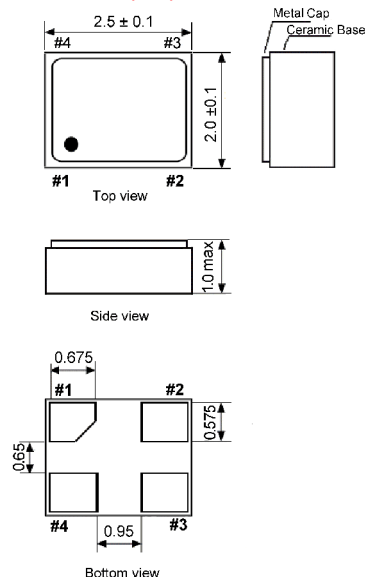


Clock Oscillator SMD-version

+3.3 V

part no.	12.95904			
model	KXO-V95T			
frequency	50.0 MHz			
frequency stability at -40 ~ + 85°C	±25 ppm			
operating temperature	-40° ~ +85°C			
storage temperature	-40° ~ +85°C			
symmetry	40 % ~ 60 % at ½ V _{DD} level			
rise & fall time max.	10 ns (10 % V _{DD} ~ 90 % V _{DD} level)			
"O" level max.	V _{OL} : 10 % V _{DD}			
"1" level min.	V _{OH} : 90 % V _{DD}			
supply voltage V _{DD}	+3.3 V DC ±5 %			
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			
supply current	5.7 mA typ 12.0 mA max.			
output load max.	15 pF (HCMOS)			
start up time max.	10 ms			
disable delay time max.	150 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.			

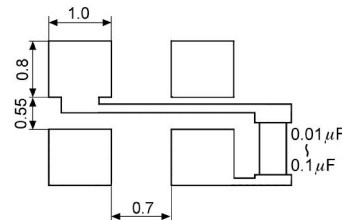
Dimensions (mm):



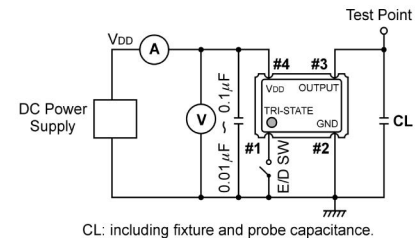
Pin	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance

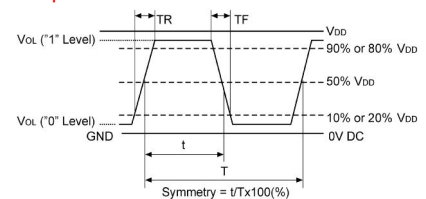
Suggested soldering pad:



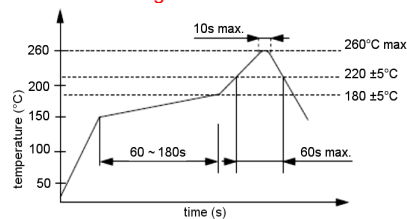
Test circuit:



Output Waveform:



Reflow soldering condition:



Tape specification:

