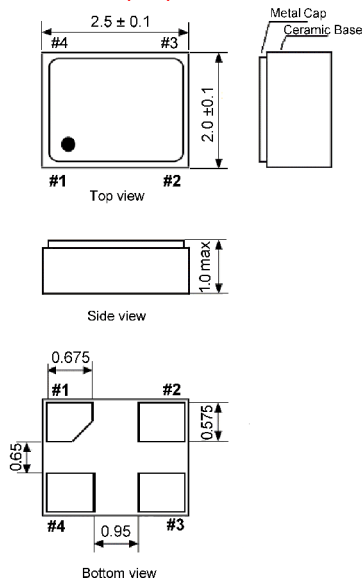


Clock Oscillator SMD-version

+3.3 V

part no.	12.95581				
model	KXO-V95T				
frequency	50.0 MHz				
frequency stability at -40° ~ +85°C	±50 ppm				
operating temperature	-40° ~ +85°C				
storage temperature	-40° ~ +85°C				
symmetry	40 % ~ 60 % at 50 % V _{DD} level				
rise & fall time max.	10 ns (10 % V _{DD} ~ 90 % V _{DD} level)				
"0" level max.	V _{OL} : 10 % V _{DD}				
"1" level min.	V _{OH} : 90 % V _{DD}				
supply voltage V _{DD}	+3.3 V ±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 max.	5.7 mA typ 12.0 mA max.				
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. / 3000 pcs.				

Dimensions (mm):

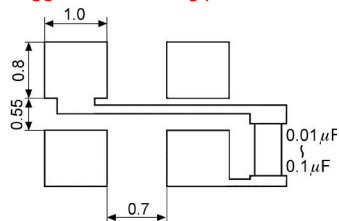


Pin	Connection	
1	"L" (0V)	"H" or OPEN
2	GND	
3	Z	OUTPUT
4	V _{DD}	

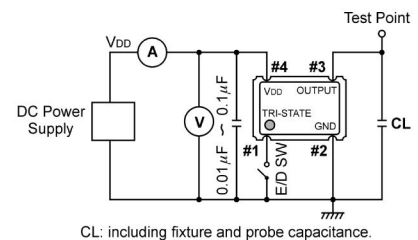
Z: high impedance

Z: high impedance

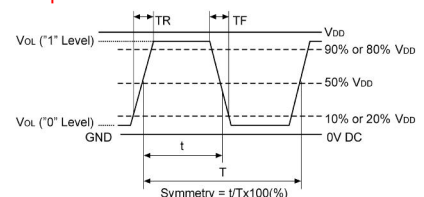
Suggested soldering pad:



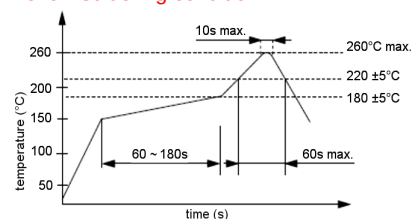
Test circuit:



Output Waveform:



Reflow soldering condition:



Tape specification:

