

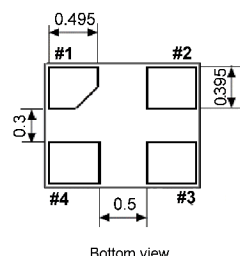
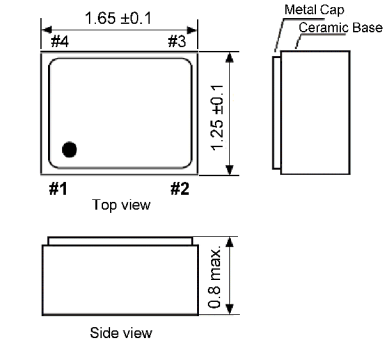


Clock Oscillator SMD-version

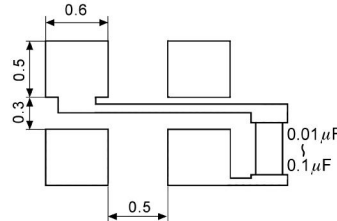
+3.3 V

part no.	12.73002
model	KXO-V93T
frequency	40.0 MHz
frequency stability at -40° ~ +85°C	±30 ppm
operating temperature	-40° ~ +85°C
storage temperature	-40° ~ 105°C
symmetry	50 % ~ 50 % at V _{DD} level
rise & fall time max.	4.5 ns (10 % V _{DD} ~ 90 % V _{DD} level) / V _{DD}
"0" level max.	V _{OL} : 10 % V _{DD}
"1" level min.	V _{OH} : 90 % V _{DD}
supply voltage range	+1.8 V ~ +3.6 V
input 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 current	5,7 mA typ., 12 mA max.
output load max.	15 pF (HCMOS)
start up time max.	2 ms
disable delay time max.	200 ns
enable delay time max.	10 ms
stand by current max.	10 µA (Pin #1 = V _{IL})
random jitter	2.9 ps typ. at V _{DD} +3.3 V
total jitter	40 ps at V _{DD} +3.3 V
contents of reel	5000 pcs.

Dimensions (mm):



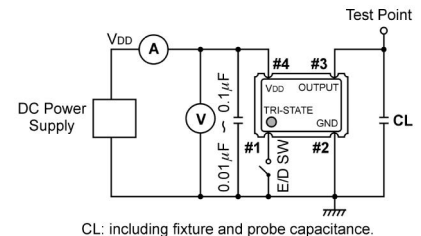
Suggested soldering pad:



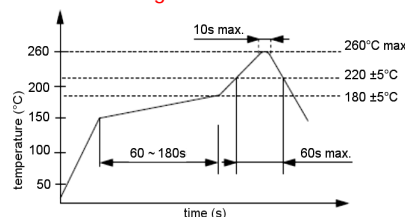
PIN	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance

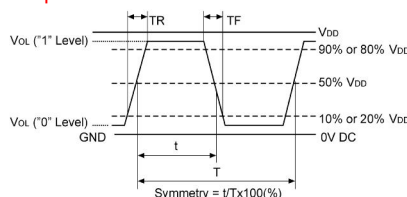
Test circuit:



Reflow soldering condition:



Output Waveform:



Tape specification:

