



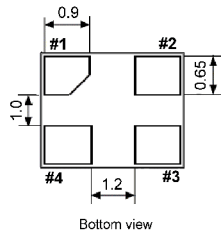
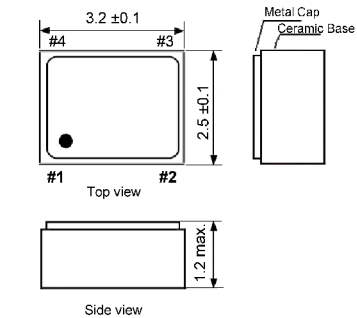
Clock Oscillator SMD-version

+1.8 V

part no.	12.95154
model	KXO-V96T
frequency	72.0 MHz
frequency stability at -40° ~ +85°C	±20 ppm
operating temperature	-40° ~ + 85°C
storage temperature	-50° ~ +125°C
symmetry	45 % ~ 55 % at 50 % V _{DD} level
rise & fall time max.	4 ns (10 % V _{DD} ~ 90 % V _{DD} level)
"0" level max.	VOL: 10 % V _{DD}
"1" level min.	VOH: 90 % V _{DD}
supply voltage range	1.63 V ~ 3.63 V
input voltage V _{DD}	+1.8 V ±5 %
stand-by control voltage (pin#1)	V _{IH} (min): 70 % V _{DD} V _{IL} (max): 30 % V _{DD} *
input current	9.0 mA typ. 16.0 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 1MHz ~ 10MHz	Phase noise jitter 1 ps RMS max peak to peak 40 ps max.
contents of reel	1000 pcs.

* Internal crystal oscillation to be halted (pin#1=V_{IL})

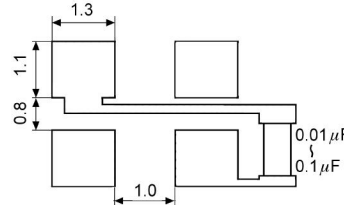
Dimensions (mm):



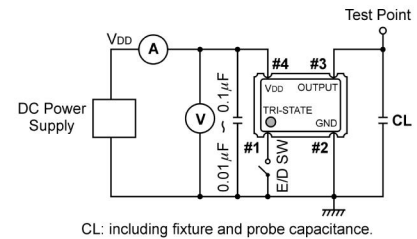
PIN	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance

Suggested soldering pad:

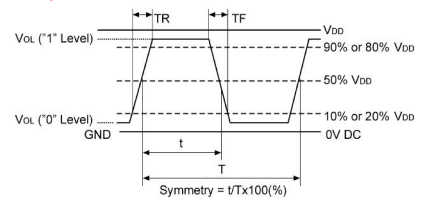


Test circuit:

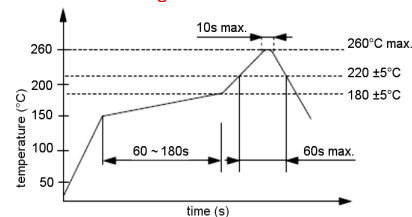


CL: including fixture and probe capacitance.

Output Waveform:



Reflow soldering condition:



Tape specification:

