



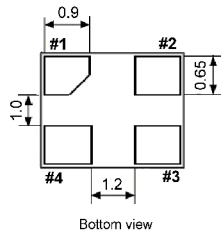
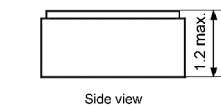
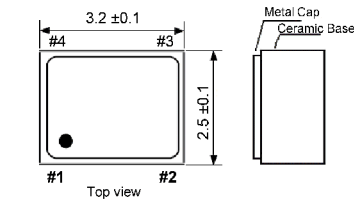
## Clock Oscillator SMD-version

+3.3 V

part no.	12.95099
model	KXO-V96T
frequency	4.0 MHz
frequency stability -40° ~ +85°C	±50 ppm
operating temperature	-40° ~ +85°C
storage temperature	-50° ~ +125°C
symmetry	40 % ~ 60 % at 50 % V <sub>DD</sub> level
rise & fall time max.	5 ns (10 % V <sub>DD</sub> ~ 90 % V <sub>DD</sub> level)
"0" level max.	VOL: 10 % V <sub>DD</sub>
"1" level min.	VOH: 90 % V <sub>DD</sub>
input voltage V <sub>DD</sub>	+3.3 V ±5 %
stand-by control voltage (pin#1)	V <sub>IH</sub> (min): 70 % V <sub>DD</sub> V <sub>IL</sub> (max): 30 % V <sub>DD</sub> *
supply voltage	-0.5 V ~ +7.0 V
input current	4.0 mA typ., 6.0 mA max. (pin #1 = Open or V <sub>IH</sub> )
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 <sub>IL</sub> )
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.

\* Internal crystal oscillation to be halted (pin#1=V<sub>IL</sub>)

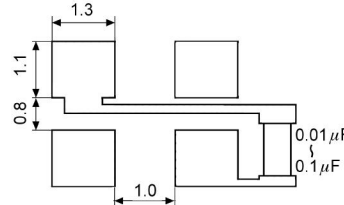
### Dimensions (mm):



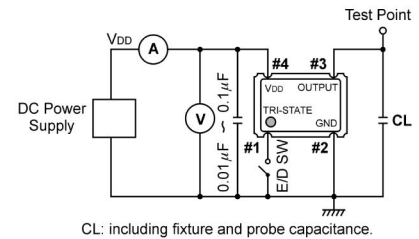
PIN	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V <sub>DD</sub>

Z: high impedance

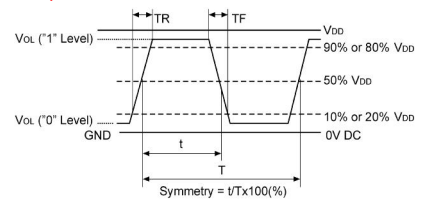
### Suggested soldering pad:



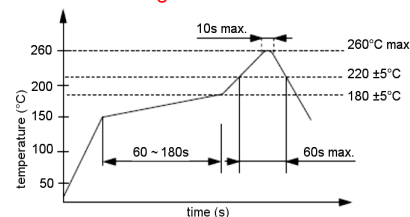
### Test circuit:



### Output Waveform:



### Reflow soldering condition:



### Tape specification:

