

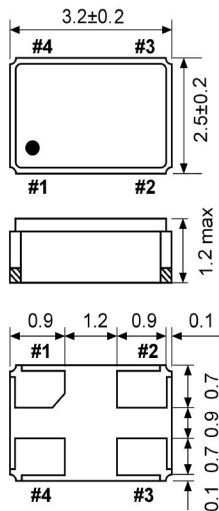
# Clock Oscillator SMD-version

+3,3V

model	KXO-V96T		
frequency range	32,7680 kHz		
frequency stability at -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>	+3,3V ±5%		
stand-by control voltage (pin#1)	VIH(min): 70% V <sub>DD</sub> VIL(max): 30%V <sub>DD</sub> *		
supply voltage	-0,5V ~ +7,0V		
input current max.	0,5 mA (pin #1=Open of VIH)		
output load max.	15pF (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=VIL)		
jitter	deterministic jitter	5ps max.	norm 1-sigma 7ps max.
	random jitter	7ps max.	peak to peak 40ps max.
contents of reel	1000 pcs.		
part no.	12.95134		

\* Internal crystal oscillation to be halted (pin#1=VIL)

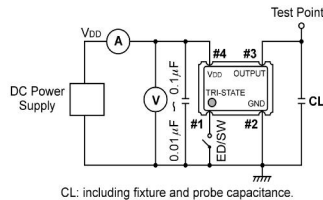
### Dimensions (mm):



PIN	CONNECTION
1	"L" OPEN or "H"
2	GND
3	Z OUTPUT
4	V <sub>DD</sub>

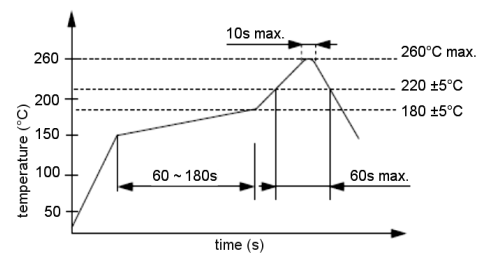
Z: high impedance

### Test circuit:

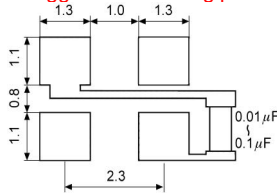


CL: including fixture and probe capacitance.

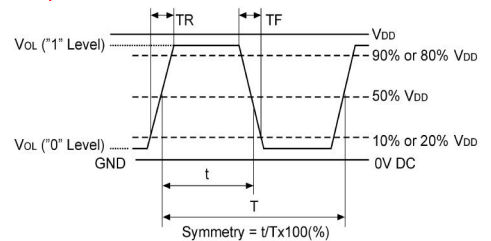
### Reflow soldering condition:



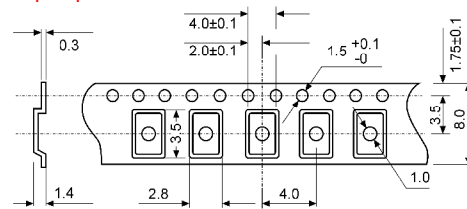
### Suggested soldering pad:



### Output waveform:



### Tape specification:



reel diameter 245 mm