



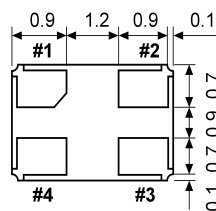
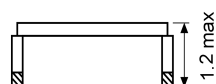
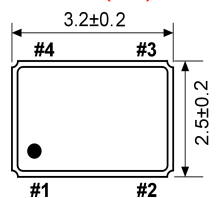
Clock Oscillator SMD-version

+3,3V

model	KXO-V96F			
frequency range	27,0 MHz			
frequency stability at -40° ~ + 85°C	± 50 ppm			
operating temperature	-40° ~ +125°C			
storage temperature	-50° ~ +125°C			
symmetry	40% ~ 60% at 50% V _{DD} level			
rise & fall time max.	5 ns (10% V _{DD} ~ 90% V _{DD} level)			
"O" level max.	VOL: 10% V _{DD}			
"1" level min.	VOH: 90% V _{DD}			
input voltage V _{DD}	+1,8 ~ +3,3V ±5%			
stand-by control voltage (pin#1)	VIH(min): 70% V _{DD} VIL(max): 30% V _{DD} *			
supply voltage	-0,5V ~ +7,0V			
input current max.	6,0 mA typ. 11,0 mA max.			
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.
AECQ 200	yes			
contents of reel	1000 pcs.			
part no.	12.95141			

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

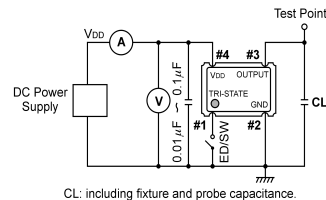
Dimensions (mm):



PIN	CONNECTION
1	"L" OPEN or "H"
2	GND
3	Z OUTPUT
4	V _{DD}

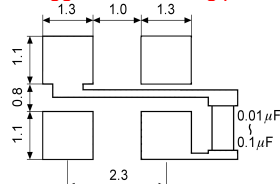
Z: high impedance

Test circuit:

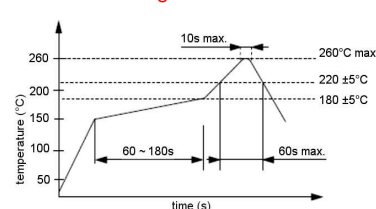


CL: including fixture and probe capacitance.

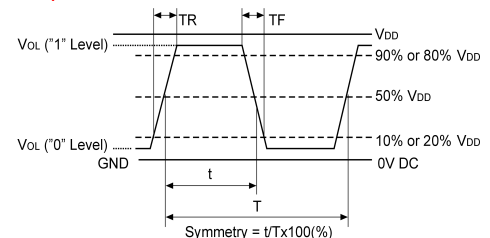
Suggested soldering pad:



Reflow soldering condition:



Output waveform:



Tape specification:

