



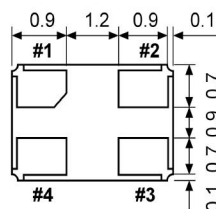
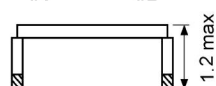
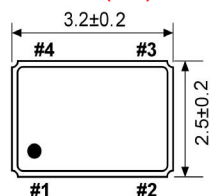
Clock Oscillator SMD-version

+3,3V

model	KXO-V96T		
frequency	24,5760 MHz		
frequency stability -40° ~ + 85°C	± 25 ppm		
operating temperature	-40° ~ + 85°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)		
"0" level max.	VOL: 10% V _{DD}		
"1" level min.	VOH: 90% V _{DD}		
input voltage V _{DD}	+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	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)		
aging for first year max.	±5 ppm at +25°		
jitter	deterministic jitter	5ps max.	norm 1-sigma 7ps max.
	random jitter	7ps max.	peak to peak 40ps max.
RoHS	according to RoHS 2011/65/EU		
contents of reel	1000 pcs.		
part no.	12.95115		

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

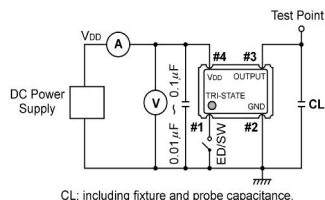
Dimensions (mm):



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

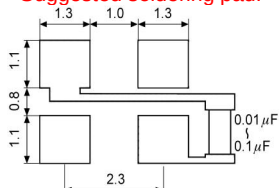
Z: high impedance

Test circuit:

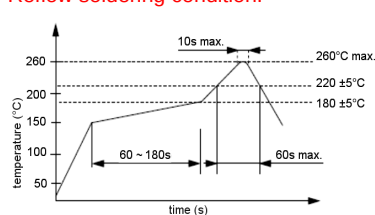


CL: including fixture and probe capacitance.

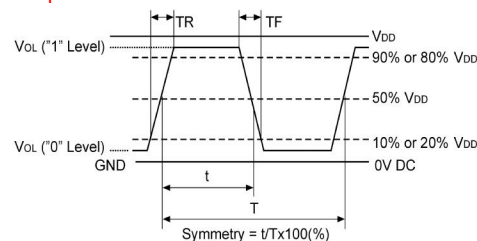
Suggested soldering pad:



Reflow soldering condition:



Output waveform:



Tape specification:

