

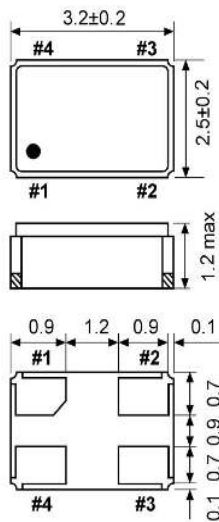
Clock Oscillator SMD-version

+1,8 V

model	KXO-V96-18
frequency	32,768 kHz
frequency stability at -20° ~ + 70°C	± 50 ppm
operating temperature	-20° ~ + 70°C
storage temperature	-50° ~ +125°C
symmetry	40% ~ 60% at 50% V _{DD} level
rise & fall time max.	200 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}	+1,8 V ±5%
stand-by control voltage (pin#1)	VIH(min): 70% V _{DD} VIL(max): 30%V _{DD} *
supply voltage	+1,8 V
input current max.	0,5mA
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. random jitter 7ps max. norm 1-sigma 7ps max. peak to peak 40ps max.
contents of reel	1000 pcs.
part no.	12.95104

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

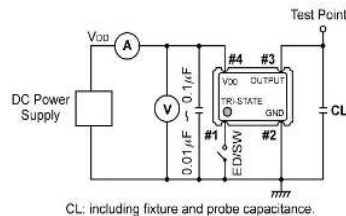
Dimensions (mm):



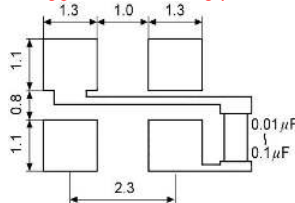
PIN	CONNECTION
1	"L" OPEN or "H"
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance

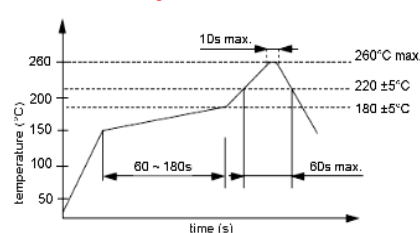
Test circuit:



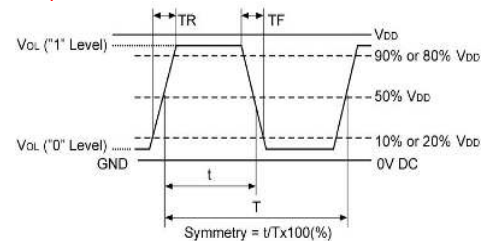
Suggested soldering pad:



Reflow soldering condition:



Output waveform:



Tape specification:

