



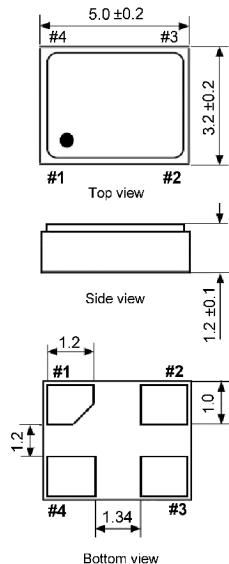
Clock Oscillator

SMD-version

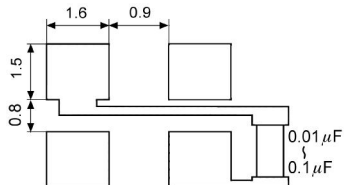
+3.3 V

part no.	12.94896
model	KXO-V99T
frequency	98.3040 MHz
frequency stability	±50 ppm
operating temperature	-40° ~ +85°C
storage temperature	-55° ~ +125°C
input voltage V _{DD}	+3.3 V DC ±5 %
input current	30 mA typ. 50 mA max.
symmetry	40 % / 60 % ±10 % at ½ V _{DD} level
rise & fall time max.	5 ns
"0" level max.	V _{DD} x 0.1 V
"1" level min.	V _{DD} x 0.9 V
output load	15 pF
start up time max.	10 ms
tri-state function	yes
disable delay time max.	50 µs
enable delay time max.	4 ms
stand by current max.	10 µA
phase jitter	(12 kHz – 20 MHz) with 1 ps
random jitter max.	7 pS
peak to peak jitter max.	40 pS
contents of reel	1000 pcs.

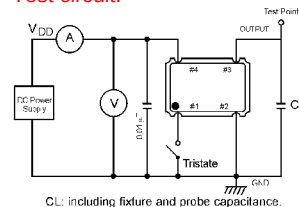
Dimensions (mm):



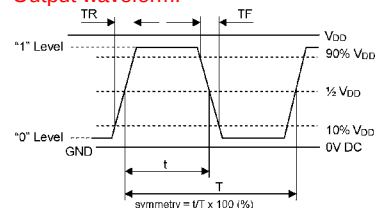
Suggested soldering pad:



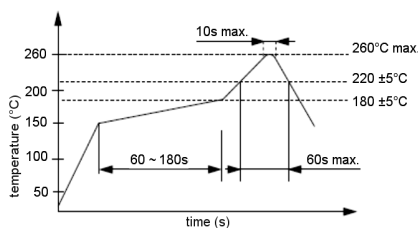
Test circuit:



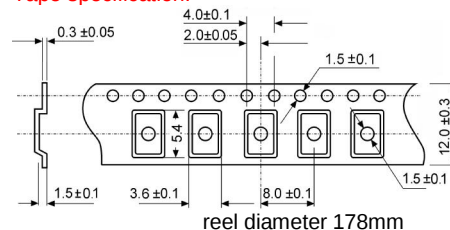
Output waveform:



Reflow soldering condition:



Tape specification:



PIN	Connection
1	"L" (0V) "H" or OPEN
2	GND
3	Z OUTPUT
4	V _{DD}

Z: high impedance