RoHS 2015/863/EU REACH compliant Conflict minerals free

GEYER quartz technology

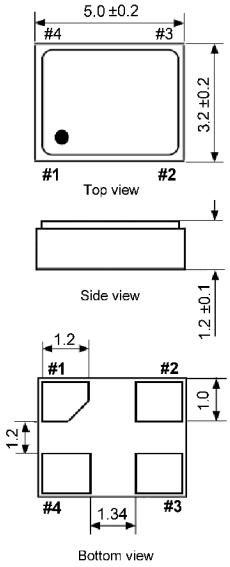
Clock Oscillator

SMD-version

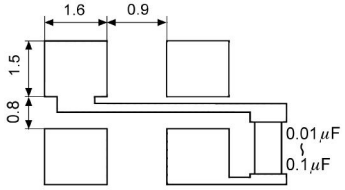
+3.3 V

part no.	12.94786
model	KXO-V99T
frequency	13.5130 MHz
frequency stability -40° ~ +85°C	±50 ppm
operating temperature	-40° ~ +85°C
storage temperature	-55° ~ +125°C
symmetry	45 % / 55 % ±10 % at ½ V_{DD} level
rise & fall time max.	5 ns
"O" level max.	V_{DD} x 0.1 V
"1" level min.	V_{DD} x 0.9 V
input voltage V_{DD}	+3.3 V ±5 %
Input current	4.0 mA typ., 6.0 mA max.
output load HCMOS	15 pF
start up time max.	10 ms
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.

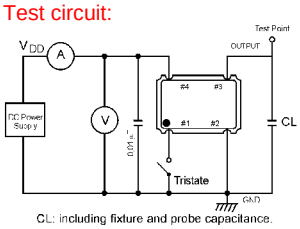
Dimensions (mm):



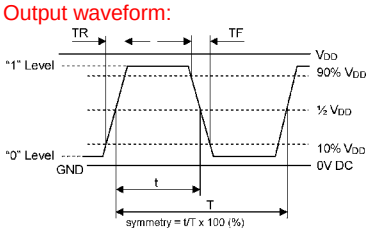
Suggested soldering pad:



Test circuit:



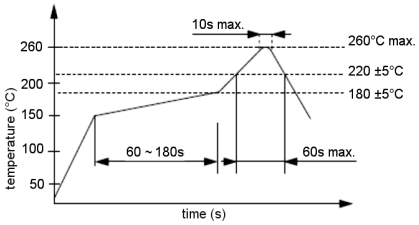
Output waveform:



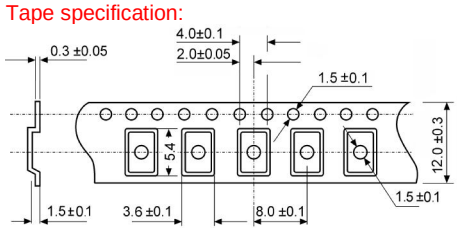
PIN	Connection	
1	"L" (0V)	"H" or OPEN
2	GND	
3	Z	OUTPUT
4	V_{DD}	

Z: high impedance

Reflow soldering condition:



Tape specification:



reel diameter 178mm

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