RoHS 2015/863/EU REACH compliant Conflict minerals free

GEYER quartz technology

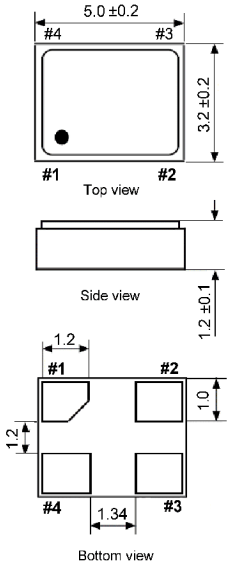
Clock Oscillator

SMD-version

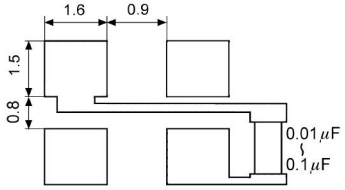
+3.3 V

part no.	12.94668
model	KXO-V99T
frequency	66.666 MHz
frequency stability at -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.	4 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	9.0 mA typ., 16.0 mA max.
output load	15 pF
start up time max.	10 ms
tristate 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.

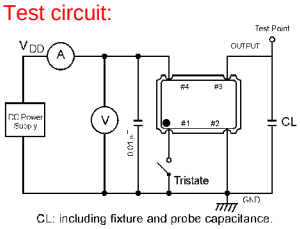
Dimensions (mm):



Suggested soldering pad:

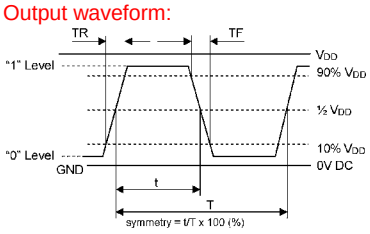


Test circuit:



CL: including fixture and probe capacitance.

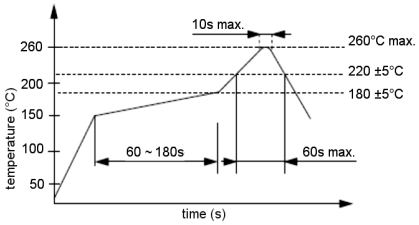
Output waveform:



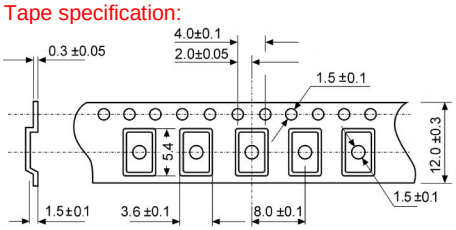
PIN	Connection	
1	"L" (0V)	"H" or OPEN
2	GND	
3	Z	OUTPUT
4	V_{DD}	

Z: high impedance

Reflow soldering condition:



Tape specification:



reel diameter 178mm

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