

RoHS 2011/65/EU REACH compliant Conflict minerals free

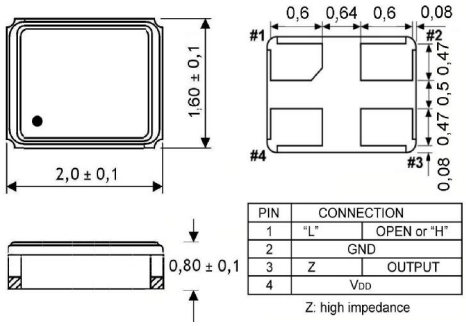
GEYER quartz technology

Clock Oscillator SMD-version

+3,3V

model	KXO-V94T
frequency	12,0 MHz
frequency stability at -40° ~ +85°C	± 50 ppm
operating temperature	-40° ~ +85°C
storage temperature	-55° ~ +100°C
symmetry	45% ~ 55% at 50% V_{DD} level
rise & fall time max.	5 ns (10% V_{DD} ~ 90% V_{DD} level)/V_{DD}
"O" level max.	VOL: 10% V_{DD}
"1" level min.	VOH: 90% V_{DD}
input voltage V_{DD}	+3,3V DC ±5%
tri-state control voltage (Pin#1)	VIH: V_{DD} x 0,7 min. VIL: V_{DD} x 0,3 max.
supply voltage	-0,5V ~ +4,0V
input current max.	+3,3V
output load max.	10pF (HCMOS)
start up time max.	10 ms
disable delay time max.	150 ns
enable delay time max.	10 ms
stand by current max.	10 µA (Pin #1=VIL)
contents of reel	1000 pcs. / 3000 pcs.
part no.	12.90343

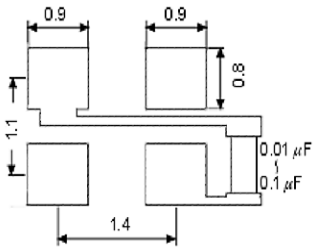
Dimensions (mm):



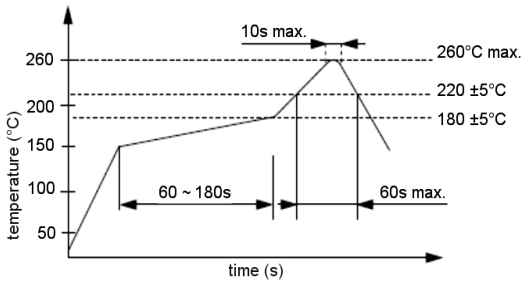
PIN	CONNECTION	
1	"L"	OPEN or "H"
2	GND	
3	Z	OUTPUT
4	V_{DD}	

Z: high impedance

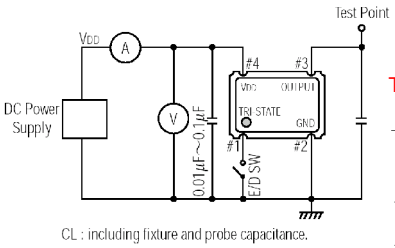
Suggested soldering pad:



Reflow soldering condition:

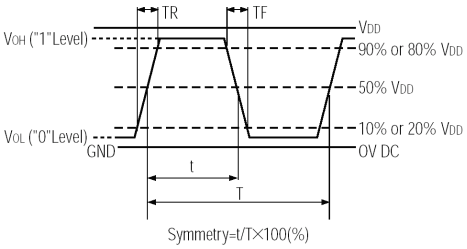


Test circuit:

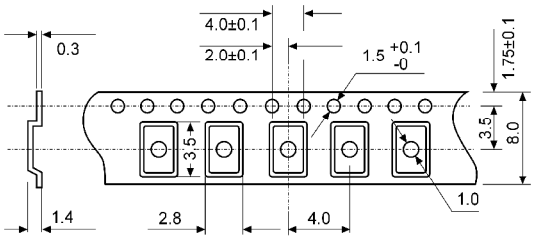


CL : including fixture and probe capacitance.

Output waveform:



Tape specification:



reel diameter 245 mm

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