

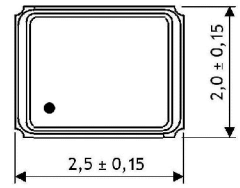
RoHS 2011/65/EU REACH compliant Conflict minerals free

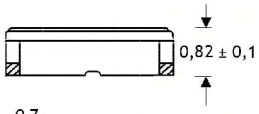
GEYER quartz technology

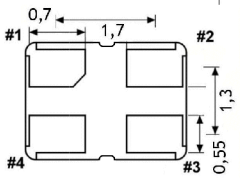
Clock Oscillator SMD-version +3,3V

part no.	12.95582
model	KXO-V95
frequency	14.74560 MHz
frequency stability at -40 ~ +85°C	± 50 ppm
operating temperature	-40 ~ +85°C
storage temperature	-40° ~ +85°C
symmetry	40% ~ 60% at 50% V_{DD} level
rise & fall time max.	10 ns (10% V_{DD} ~ 90% V_{DD} level)
"O" level max.	VOL: 10% V_{DD}
"1" level min.	VOH: 90% V_{DD}
input voltage V_{DD}	+3,3V ±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 ~ +7,0V
input current max.	4,0 mA typ., 6,0 mA max
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. norm 1-sigma 7ps max. random jitter 7ps max. peak to peak 40ps max.
contents of reel	1000 pcs. / 3000 pcs.

Dimensions (mm):



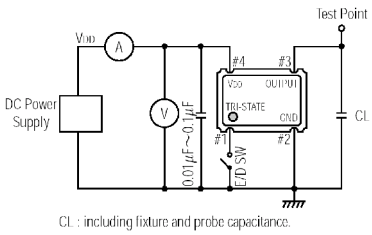




PIN	CONNECTION	
1	"L"	OPEN or "H"
2	GND	
3	Z	OUTPUT
4	V_{DD}	

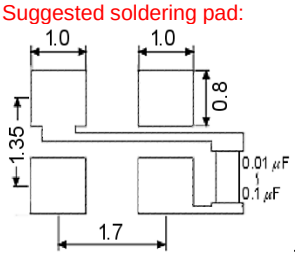
Z: high impedance

Test circuit:

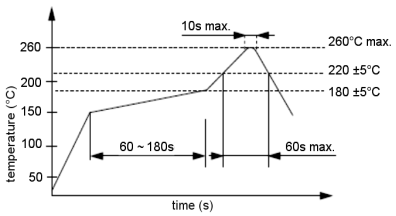


CL : including fixture and probe capacitance.

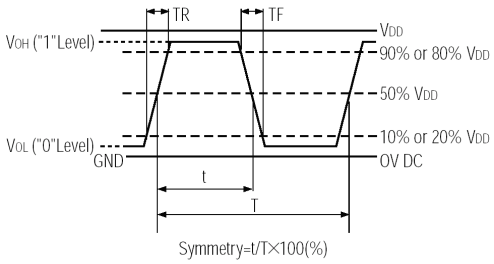
Suggested soldering pad:



Reflow soldering condition:

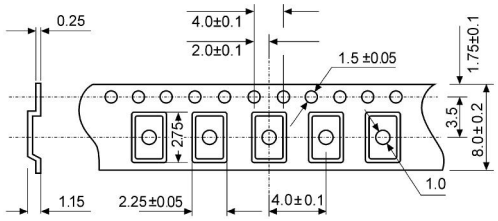


Output waveform:



Symmetry=t/T×100(%)

Tape specification:



reel diameter 178 mm

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