



Pb RoHS 2011/65/EU

REACH compliant

Conflict minerals free

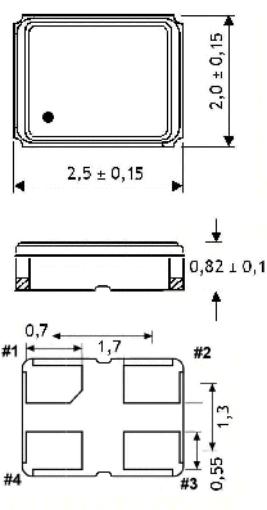
**GEYER**  
 quartz technology

## Clock Oscillator SMD-version

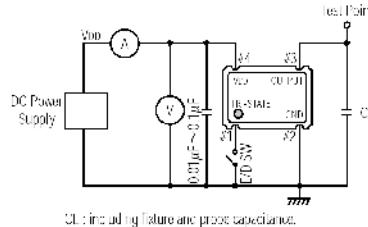
+3,3V

model	KXO-V95T			
frequency	32,768 kHz			
frequency stability at -40° ~ + 85°C	± 30 ppm			
operating temperature	-40° ~ + 85°C			
storage temperature	-40° ~ +85°C			
symmetry	40% ~ 60% at 50% V <sub>DD</sub> level			
rise & fall time max.	10 ns (10% V <sub>DD</sub> ~ 90% V <sub>DD</sub> level)			
"0" level max.	VOL: 10% V <sub>DD</sub>			
"1" level min.	VOH: 90% V <sub>DD</sub>			
input voltage V <sub>DD</sub>	+3,3V ±5%			
tri-state control voltage (Pin#1)	VIH: V <sub>DD</sub> x 0,7 min. VIL: V <sub>DD</sub> 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 random jitter	5ps max. 7ps max.	norm 1-sigma peak to peak	7ps max. 40ps max.
contents of reel	1000 pcs.			
part no.	12.95571			

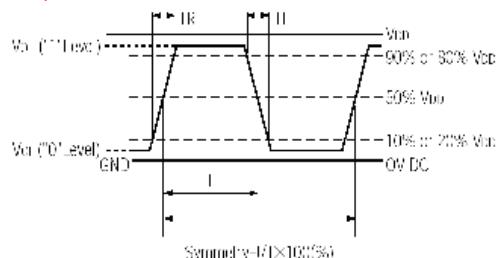
Dimensions (mm):



Test circuit:



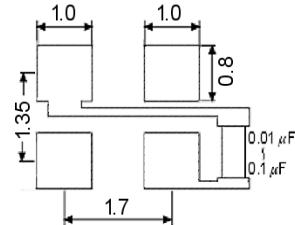
Output waveform:



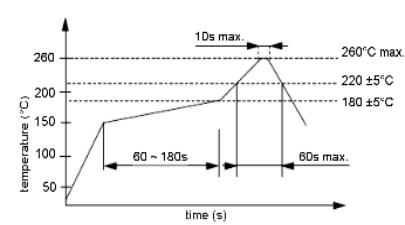
PIN	CONNECTION
1	"L" OPEN or "H"
2	GND
3	Z OUTPUT
4	VDD

Z: high impedance

Suggested soldering pad:



Reflow soldering condition:



Tape specification:

