

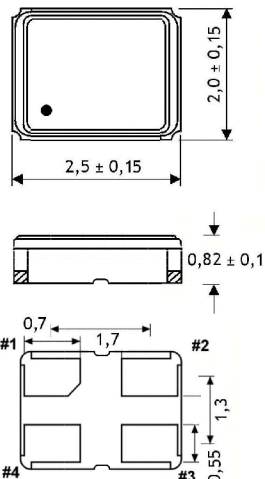


## Clock Oscillator SMD-version

+3,3V

|                                     |                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------|
| model                               | KXO-V95T                                                                                             |
| frequency                           | 50,0 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 <sub>DD</sub> level                                                               |
| rise & fall time max.               | 10 ns (10% V <sub>DD</sub> ~ 90% V <sub>DD</sub> level)                                              |
| "O" 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.<br>VIL: V <sub>DD</sub> x 0,3 max.                                   |
| supply voltage                      | -0,5V ~ +7,0V                                                                                        |
| input current max.                  | 6,0 mA typ 11,0 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.<br>random jitter 7ps max. peak to peak 40ps max. |
| contents of reel                    | 1000 pcs. / 3000 pcs.                                                                                |
| part no.                            | 12.95581                                                                                             |

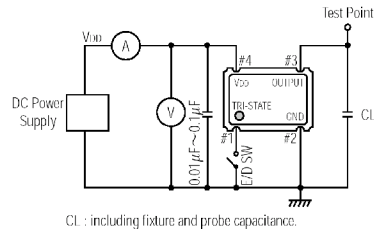
### Dimensions (mm):



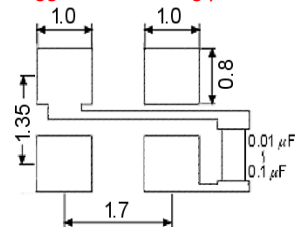
| PIN | CONNECTION      |
|-----|-----------------|
| 1   | "L" OPEN or "H" |
| 2   | GND             |
| 3   | Z OUTPUT        |
| 4   | V <sub>DD</sub> |

Z: high impedance

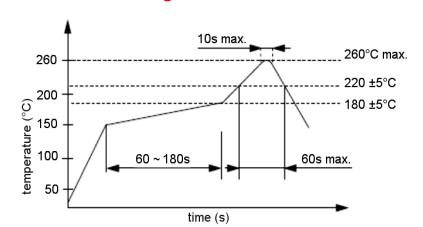
### Test circuit:



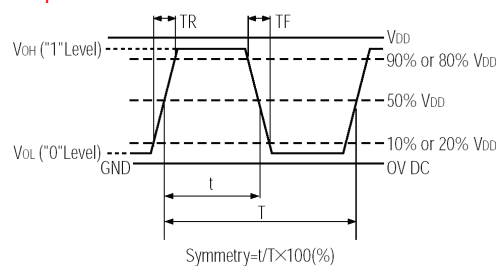
### Suggested soldering pad:



### Reflow soldering condition:



### Output waveform:



### Tape specification:

