



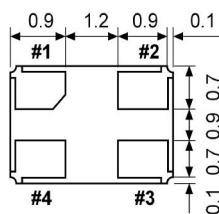
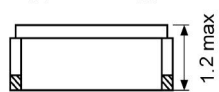
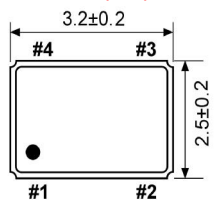
## Clock Oscillator SMD-version

+3,3V

|                                     |                                                                                                            |
|-------------------------------------|------------------------------------------------------------------------------------------------------------|
| model                               | KXO-V96                                                                                                    |
| frequency                           | 26,0 MHz                                                                                                   |
| frequency stability<br>-20° ~ +70°C | ± 50 ppm                                                                                                   |
| operating temperature               | -20° ~ +70°C                                                                                               |
| storage temperature                 | -50° ~ +125°C                                                                                              |
| symmetry                            | 40% ~ 60% at 50% V <sub>DD</sub> level                                                                     |
| rise & fall time max.               | 5 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%                                                                                                  |
| stand-by control voltage (pin#1)    | V <sub>IH</sub> (min): 70% V <sub>DD</sub><br>V <sub>IL</sub> (max): 30%V <sub>DD</sub> *                  |
| supply voltage                      | -0,5V ~ +7,0V                                                                                              |
| input current                       | 6,0 mA typ., 11,0 mA max. (pin #1=Open or V <sub>IH</sub> )                                                |
| 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=V <sub>IL</sub> )                                                                            |
| jitter                              | deterministic jitter 5ps max.<br>random jitter 7ps max.<br>norm 1-sigma 7ps max.<br>peak to peak 40ps max. |
| contents of reel                    | 1000 pcs.                                                                                                  |
| part no.                            | 12.95047                                                                                                   |

\* Internal crystal oscillation to be halted (pin#1=V<sub>IL</sub>)

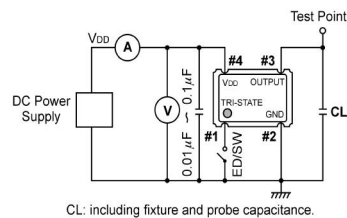
### Dimensions (mm):



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

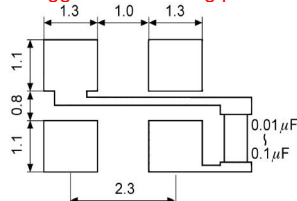
Z: high impedance

### Test circuit:

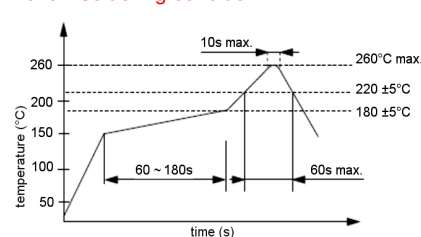


CL: including fixture and probe capacitance.

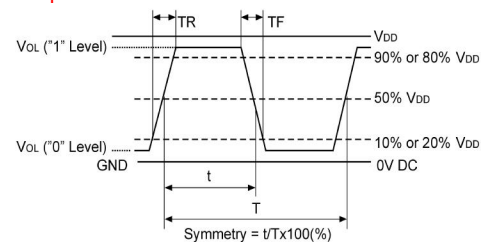
### Suggested soldering pad:



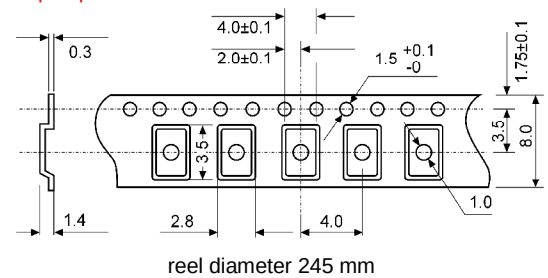
### Reflow soldering condition:



### Output waveform:



### Tape specification:



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