

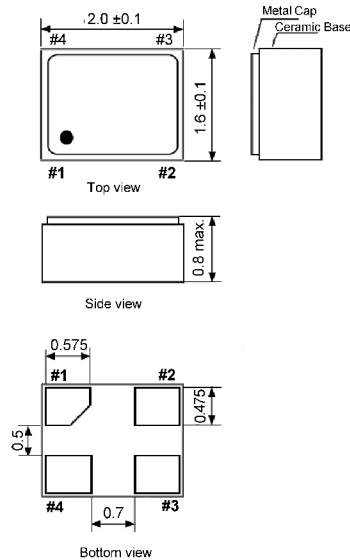


Clock Oscillator SMD-version

+3.3 V

| | |
|-------------------------------------|--|
| part no. | 12.90327 |
| model | KXO-V94T |
| frequency | 48.0 MHz |
| frequency stability -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) |
| "0" level max. | V _{OL} : 10 % V _{DD} |
| "1" level min. | V _{OH} : 90 % V _{DD} |
| supply voltage V _{DD} | +3.3 V DC ±5 % |
| tri-state control voltage (Pin#1) | V _{IH} : V _{DD} x 0.7 min. V _{IL} : V _{DD} x 0.3 max. |
| supply voltage range | +1.8 V ~ +3.6 V |
| supply current | 5.7 mA typ., 12.0 mA max. |
| output load max. | 15 pF (HCMOS) |
| start up time max. | 10 ms |
| disable delay time max. | 200 ns |
| enable delay time max. | 10 ms |
| stand by current max. | 10 µA (Pin #1 = V _{IL}) |
| contents of reel | 1000 pcs. |

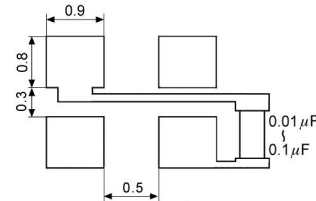
Dimensions (mm):



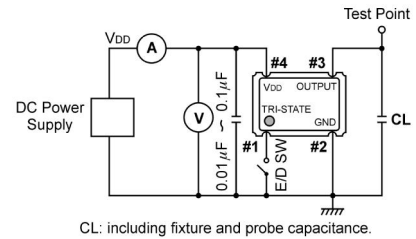
| PIN | Connection |
|-----|------------------------|
| 1 | "L" (0V) "H" or OPEN |
| 2 | GND |
| 3 | Z OUTPUT |
| 4 | V _{DD} |

Z: high impedance

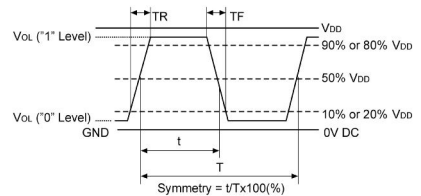
Suggested soldering pad:



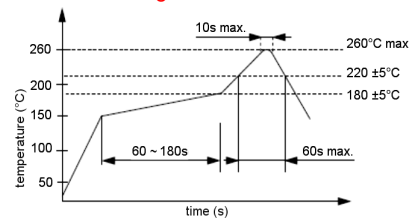
Test circuit:



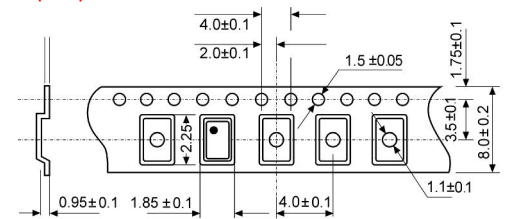
Output Waveform:



Reflow soldering condition:



Tape specification:



reel diameter 178 mm