



GEYER KXO-V93T Features and Applications:

- Oscillator with supply voltage range +1.8 V ~ +3.6 V
- Package size: 1.65 x 1.25 x 0.8 mm, 4 pad footprint
- Frequency: 32.768 kHz
- Moisture Sensitivity Level, MSL Level 1
- Recommended for small IoT devices, miniature Sensors, Wearables, small health devices, RF modules, etc.
- For further requirements, please contact us



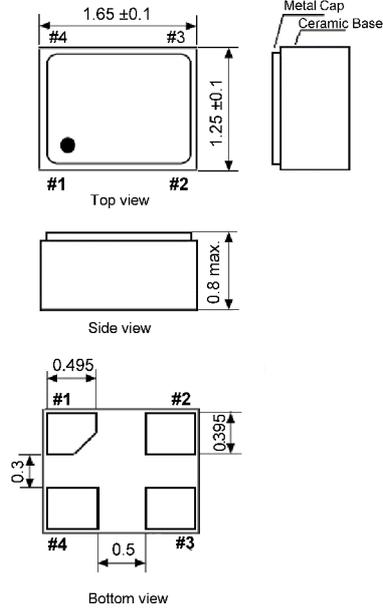
Clock Oscillator SMD-version

+3.3 V

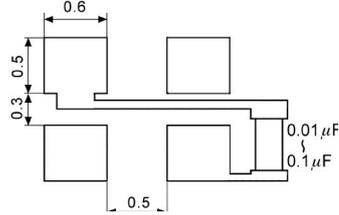
part no.	12.73020
model	KXO-V93T
frequency	32.768 kHz
frequency tolerance at 25°C	7 ppm
frequency stability at -40° ~ +85°C	±15 ppm
operating temperature	-40° ~ +85°
storage temperature	-55° ~ +125°C
supply current	0.03 A
symmetry	50 ±5 % at VDD level
rise & fall time max.	200 ns (10 % V _{DD} ~ 90 % V _{DD} level)
"0" level max.	V _{OL} : 10 % V _{DD}
"1" level min.	V _{OH} : 90 % V _{DD}
tri-state control voltage (Pin#1)	V _{IH} : V _{DD} x 0.7 min. V _{IL} : V _{DD} x 0.3 max.
output load max.	15 pF HCMOS
start up time max.	10 ms
stand by current max.	10 µA (Pin #1 = V _{IL})
contents of reel	3000 pcs.



Dimensions (mm):

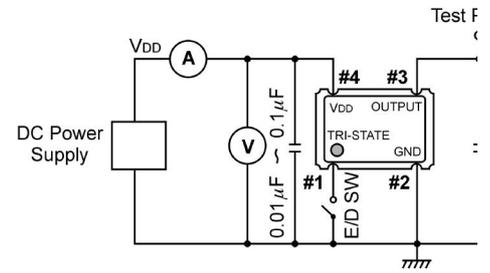


Suggested soldering pad:

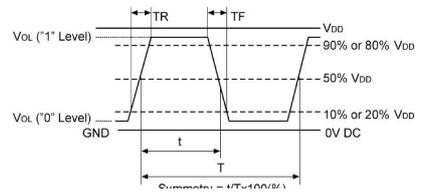


PIN	Connection
1	Stand-by
2	GND
3	OUTPUT
4	V_{DD}

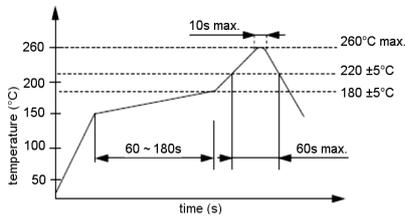
Test circuit:



Output Waveform:



Reflow soldering condition:



Tape specification:

