



GEYER KXO-81 Features and Applications:

- Low Power Temperature Compensated Crystal Oscillator (TCXO)
- Clipped Sine Wave Output
- Low Phase Noise
- Supply voltage range +1.8 V ~ +3.6 V
- Package size: 2.0 x 1.6 x 0.7 mm, 4 pad footprint
- Frequency range: 13.0 ~ 52.0 MHz
- Moisture Sensitivity Level, MSL Level 1
- Recommended for GPS & Navigation, Mobile Communication, IoT, Sensors, Health Monitoring, Wearables, etc.
- For further requirements, please contact us

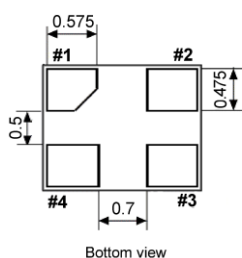
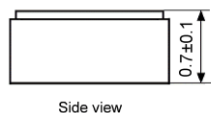
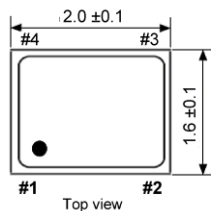


TCXO clipped sine wave SMD-version +1.8 / +2.5 / +3.3 V

part no.	12.xxxxx	
model	KXO-81	
frequency range	13.0 ~ 52.0 MHz	
frequency tolerance max.	±2 ppm (after 2 reflows)	
frequency stability	vs. temp. range	±0.5 ppm over -30°C ~ +85°C (referred to +25°C) ±1.0 ppm over -30°C ~ +85°C (referred to +25°C) ±2.5 ppm over -40°C ~ +85°C (referred to +25°C)
	vs. input voltage max.	±0.2 ppm at V _{DD} ±5 %
	vs. load max.	±0.2 ppm
	vs. aging max.	±1 ppm / year at +25°C
output	load	10 kOhm ±10 % // 10 pF ±10 %
	voltage min.	0.8 Vp-p at 10 kOhm // 10 pF ±10 %
	waveform	clipped sine wave
operating temperature range	-30°C ~ +85°C / -40°C ~ +85°C	
start-up time max.	2 ms	
harmonics max.	-7.0 dBc	
phase noise max.	-75 dBc / Hz at 10 Hz -105 dBc / Hz at 100 Hz -125 dBc / Hz at 1 kHz -145 dBc / Hz at 10 kHz -150 dBc / Hz at 100 kHz -150 dBc / Hz at 1 MHz	
contents of reel	3000 pcs.	

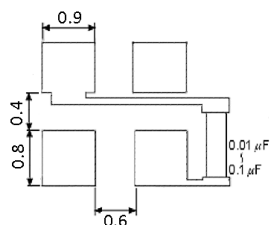


Dimensions (mm):

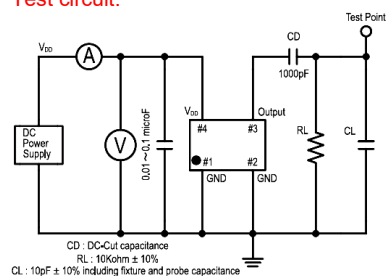


Pin	Connection
1	GND
2	GND
3	OUTPUT
4	V _{DD}

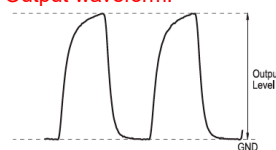
Suggested soldering pad:



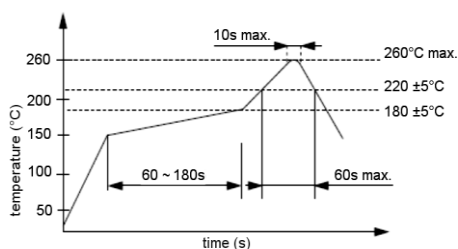
Test circuit:



Output waveform:



Reflow soldering condition:



Tape specification:

