



GEYER KXO-81 Features and Applications:

- Low Power Temperature Compensated Crystal Oscillator (TCXO)
- HCMOS Output, Enable / Disable Tristate function
- 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: 8.0 ~ 70.0 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



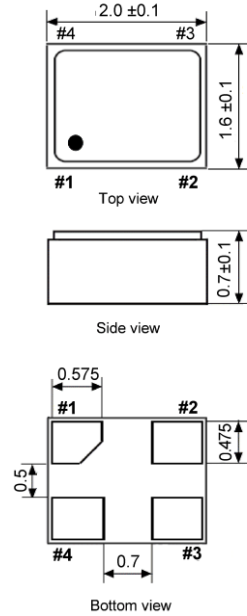
TCXO HCMOS

SMD-version +1.8 / +2.5 / +3.3 V

part no.	12.xxxxx	
model	KXO-81	
frequency range	8.0 ~ 70.0 MHz	
frequency tolerance max.	±2.0 ppm ((after 2 reflows)	
frequency stability	vs. temp.range	±2.5 ppm over -40°C ~ +85°C (referred to +25°C)
	vs. input voltage	±0.3 ppm at V _{DD} ±5 %
	vs. load max.	±0.2 ppm
	vs. aging max.	±1 ppm / year at +25°C
output	load	15 pF
	waveform	HCMOS
operating temperature range	-40°C ~ +85°C	
storage temperature range	-55°C ~ +125°C	
supply voltage V _{DD}	+1.8 V DC ±5 %; +2.5 V DC ±5 % or +3.3 V DC ±5 %	
supply current max.	10 mA (no load)	
start-up time max.	10 ms	
symmetry	45 % / 55 % at ½ V _{DD} level	
rise and fall time max.	5 ns (10 % V _{DD} ~ 90 % V _{DD} level)	
"O" level max.; "1" level min.	V _{OL} : 10 % V _{DD} ; V _{OH} : 90 % V _{DD}	
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.	



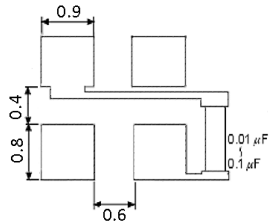
Dimensions (mm):



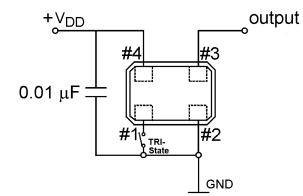
Pin	Connection
1	„L“ Open or „H“
2	GND
3	Z OUTPUT
4	V _{DD}

Z: High Impedance

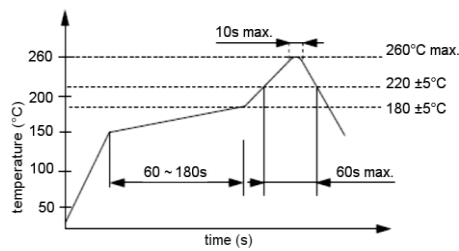
Suggested soldering pad:



Test circuit:



Reflow soldering condition:



Tape specification:

