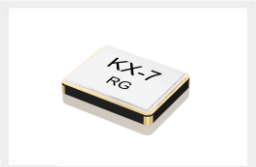


RoHS 2015/863/EU ✓ REACH compliant ✓ Conflict minerals free ✓

GEYER quartz technology

GEYER KX-7 Features and Applications:

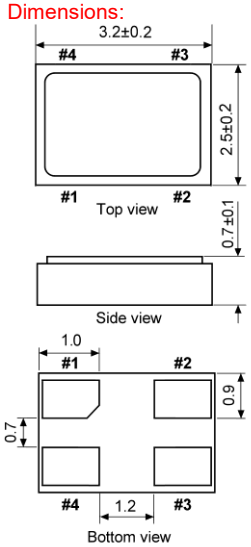
- Low profile
- Package size: 3.2 x 2.5 x 0.8 mm, 4 pad footprint
- Frequency range: 8.0 ~ 80.0 MHz
- Moisture Sensitivity Level, MSL Level 1
- Recommended for Industrial IoT, Embedded, Automotive, Mobile SMART metering, LoRa WAN, Bluetooth-LAN, Clock for MCU, etc.
- For further specifications, please contact us

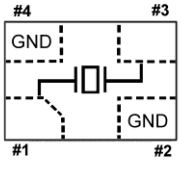
Quartz Crystal

SMD-version

part no.	12.xxxxx						
model	KX – 7						
frequency range	8.0 ~ 80.0 MHz						
mode	fundamental						
operating temperature	-20° ~ +70°C, -40° ~ +85°C (=KX-7T) available -40° ~ +105°C (=KX-7E); -40° ~ +125°C (=KX-7F)						
storage temperature	-55° ~ +125°C						
frequency tolerance at +25°C	±10 ~ ±30 ppm, or specify						
temperature tolerance at -20° ~ +70°C; -40° ~ +85°C -40° ~ +105°C, -40° ~ +125°C	 ±15 ~ ±50 ppm, or specify ±30 ~ ±50 ppm, or specify						
load capacitance C_L	standard 12 pF; available 7 ~ 20 pF						
series resistance R1 (ESR) max.	8.0	~ 9.9 MHz	500 Ohm	12.0	~ 12.9 MHz	80 Ohm	
	10.0	~ 10.9 MHz	180 Ohm	13.0	~ 15.9 MHz	70 Ohm	
	11.0	~ 11.9 MHz	150 Ohm	16.0	~ 29.9 MHz	60 Ohm	
				30.0	~ 80.0 MHz	50 Ohm	
aging at +25°C (first year) max.	±2 ppm						
shunt capacitance C_0 max.	3.0 pF						
drive level max.	200 µW						
contents of reel	1000 / 3000 pcs.						

Dimensions:

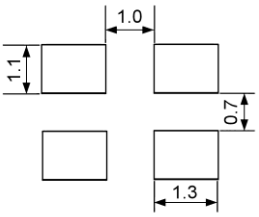




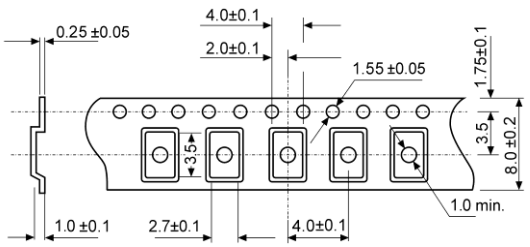
Top view connections

#2 & #4: connected to metal lid

Suggested soldering pad:

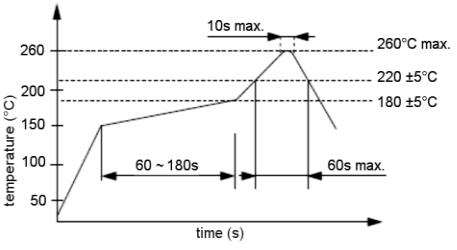


Tape specification:



reel diameter 178 mm

Reflow soldering condition:



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