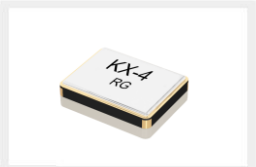


RoHS 2015/863/EU ✓ REACH compliant ✓ Conflict minerals free ✓

GEYER quartz technology

GEYER KX-4 Features and Applications:

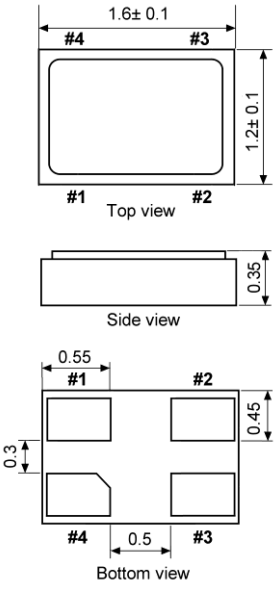
- Low profile
- Package size: 1.6 x 1.2 x 0.35 mm, 4 pad footprint
- Frequency range: 24.0 ~ 80.0 MHz
- Moisture Sensitivity Level, MSL Level 1
- Recommended for IoT, Sensors, Wireless modules (Bluetooth, Zigbee), RFID/NFC, Wearables, SMART metering, Automotive, Consumer, etc
- For further specifications, please contact us

Quartz Crystal

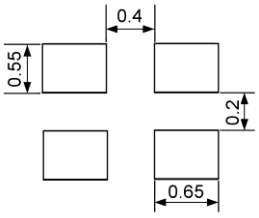
SMD-version

part no.	12.xxxxx	
model	KX – 4	
frequency range	24.0 ~ 80.0 MHz	
mode	fundamental	
operating temperature	-20° ~ +70°C, -40° ~ +85°C (=KX-4T) available -40° ~ +105°C (=KX-4E); -40° ~ +125°C (=KX-4F)	
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 specfiy	
load capacitance C_L	standard 8 pF; available 8 ~ 16 pF or specify	
series resistance R1 (ESR) max	24.0 ~ 31.99 MHz 150 Ohm 32.0 ~ 37.99 MHz 100 Ohm	38.0 ~ 60.0 MHz 80 Ohm 61.0 ~ 80.0 MHz 60 Ohm
aging at +25°C (first year) max.	±2 ppm	
shunt capacitance C_0 max.	3.0 pF	
drive level max.	50 µW	
contents of reel	3000 pcs.	

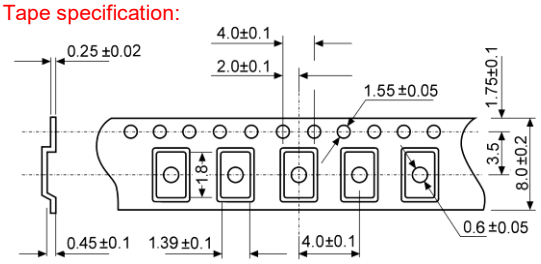
Dimensions (mm):



Suggested soldering pad:

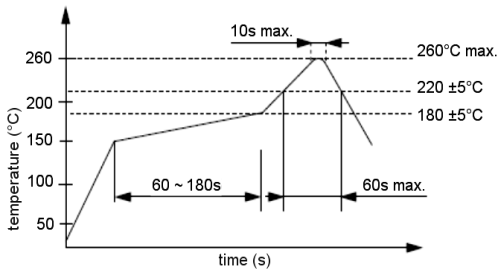


Tape specification:



reel diameter 178 mm

Reflow soldering condition:



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