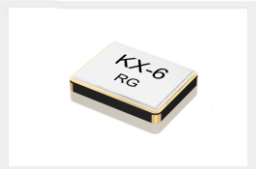


RoHS 2015/863/EU REACH compliant Conflict minerals free

GEYER quartz technology

GEYER KX-6 Features and Applications:

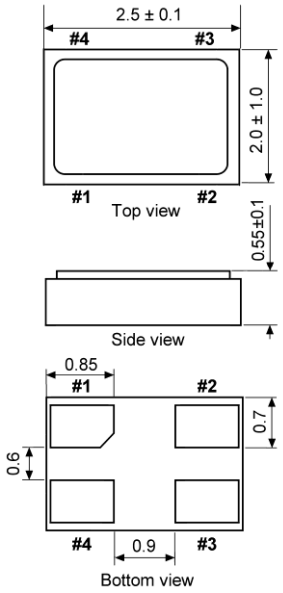
- Low profile
- Package size: 2.5 x 2.0 x 0.55 mm, 4 pad footprint
- Frequency range: 12.0 ~ 80.0 MHz
- Moisture Sensitivity Level, MSL Level 1
- Recommended for Industrial IoT, Embedded, Mobile, LoRa WAN SMART metering, Automotive, Consumer electronics, etc
- For further specifications, please contact us

Quartz Crystal

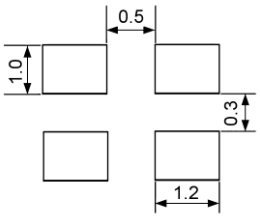
SMD-version

part no.	12.xxxxx	
model	KX – 6	
frequency range	12.0 ~ 80.0 MHz	
mode	fundamental	
operating temperature	-20° ~ +70°C, -40° ~ +85°C (=KX-6T) available -40° ~ +105°C (=KX-6E); -40° ~ +125°C (=KX-6F)	
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 10 pF; available 8 ~ 16 pF or specify	
series resistance R1 (ESR) max.	12.0 ~ 15.99 MHz 150 Ohm 16.0 ~ 20.0 MHz 100 Ohm	20.1 ~ 29.99 MHz 80 Ohm 30.0 ~ 80.0 MHz 50 Ohm
aging at +25°C (first year) max.	±2 ppm	
shunt capacitance C_0 max.	3.5 pF	
drive level max.	100 µW	
contents of reel	1000 / 3000 pcs.	

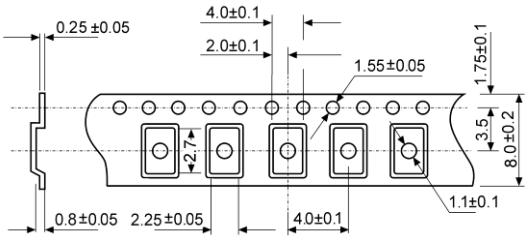
Dimensions:



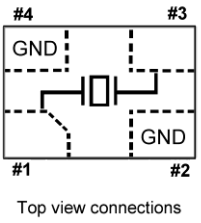
Suggested soldering pad:



Tape specification:

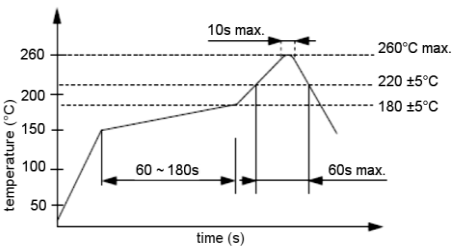


reel diameter 178 mm



Top view connections

Reflow soldering condition:



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