

Quartz Crystals in miniature designs for Telecom Applications

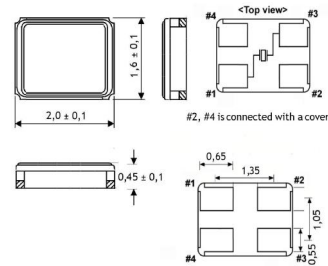
Alongside the trend for thinner and thinner telephones, a new market has opened up – the market for smart cards. However, as the devices get thinner, so the components must also decrease in height challenging manufacturers to make ever slimmer components. To meet this challenge, Geyer Electronics offer crystals and oscillators measuring as little as 0.45mm in height.

Quartz Crystal KX-5

frequency range MHz
operating temperature range in °C
operating temperature range in °C
frequency tolerance at +25°C available in ppm
temperature tolerance at -40° ~ +85°C avail. ppm
load capacitance CL, available
size l/w/h

Technical Details

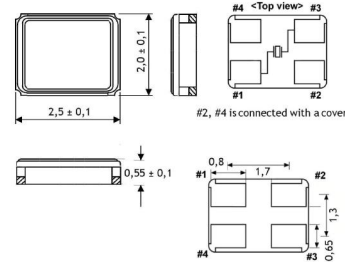
16,0 ~ 80,0
-20 ~ +70
-40 ~ +85
±30 ~ ± 50
±30 ~ ±100
8 ~ 16 pF
2,0 x 1,6 x 0,45 mm



Quartz Crystal KX-6

frequency range MHz
operating temperature range in °C
operating temperature range in °C
frequency tolerance at +25°C available in ppm
temperature tolerance at -40° ~ +85°C avail. ppm
load capacitance CL, available
size l/w/h

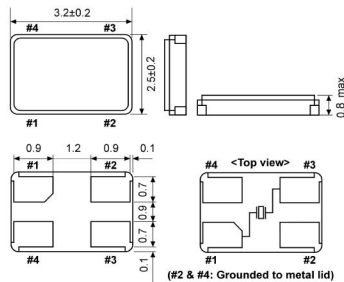
12,0 ~ 80,0
-20 ~ +70
-40 ~ +85
±10 ~ ± 50
±25 ~ ±100
8 ~ 16 pF
2,5 x 2,0 x 0,55 mm



Quartz Crystal KX-7

frequency range MHz
operating temperature range in °C
operating temperature range in °C
frequency tolerance at +25°C available in ppm
temperature tolerance at -40° ~ +85°C available
load capacitance CL, available
size l/w/h

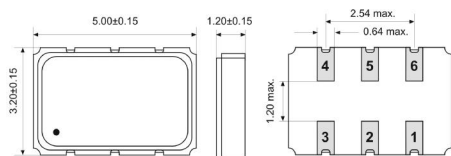
8,0 ~ 60,0
-20 ~ +70
-40 ~ +85
±10 ~ ±100
±20 ~ ±100
7 ~ 20 pF
3,2 x 2,5 x 0,8 mm



LVDS Clock Oscillator KXO-V66

frequency range MHz
operating temperature range in °C
frequency stability, temperature stability
input voltage and load stability, ageing
at -40° ~ +85°C available in ppm
input current
size l/w/h

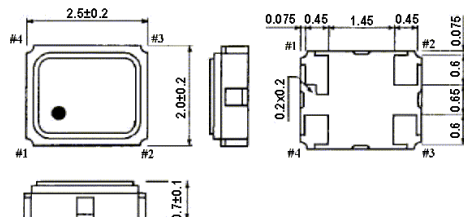
40,0 ~ 180,0
-40 ~ +85
±25 ~ ± 100
80 mA
5,0 x 3,2 x 1,2 mm



TCXO / VCTCXO KXO-86

frequency range MHz
operating temperature range in °C
temperature stability at 25°C in ppm
input voltag (V_{DD})
frequency control (VCTCXO) in ppm
size l/w/h

13,0 ~ 54,0
-30 ~ +75
±2,5
+1,8 V_{DC} ~ +3,3 V_{DC}
±9 ~ ±15
2,5 x 2,0 x 0,7 mm



Request a sample today, along with a comprehensive technical datasheet at: