



The X21 Tuning Fork Crystal

The future standard in generating a clocking signal

The X21 is a XY-cut SMD crystal that produces a specific frequency of 32.768 kHz.

We notice that this package size of 2.0 x 1.2 x 0.6 is becoming more popular for new designs that need a real-time clocking signal. As this evolution continues the price gap with today's standard, the X31 (package: 3.2 x 1.5 x 0.9), will only get smaller.

This means that even more players on the global market will consider a change of package style due to this "smaller size for smaller price" evolution.

Features of the: [X21](#):

- Frequency: 32.768 kHz
- Package: 2.0 x 1.2 x 0.6 mm
- Operating temperature range: -40°C to +85°C
- Available with:
 - frequency tolerance at 25°C: 20ppm standard
 - Load capacitance: 12,5pF (standard), 9pF, 7pF or 6pF



The X21 is a **100 % equivalent** for following tuning fork crystals that can be found on the market today:

- ABS06
- CM212
- JTX210
- FX122
- CM8V
- FC-12M
- ST2012SB

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