

Product Spotlight

3 x 3 facts about the JT21LE crystal oscillator with particularly low power consumption

The temperature-compensated crystal oscillator JT21LE is characterized by its extremely low power consumption. Thanks to the extremely low voltage supply range of 1.2 V to 1.8 V, coupled with a clipped sine wave output, this oscillator consumes very little current. These energy savings are complemented by excellent frequency stability of up to ± 0.5 ppm, even in the extended industrial temperature range of -40 to +85°C



3 technical properties:

- Ultra-low power TCXO
- Size: 2.0 x 1.6 x 0.7 mm
- Frequency range: 13.0 ~ 52 MHz

3 typical application areas:

- Receivers for global navigation satellite systems (GNSS receivers)
- Machine-to-machine (M2M) connectivity
- Ultra-low power MCUs

3 Special features:

- Power supply: 1.2V ~ 1.8 V
- Low power consumption: 2 mA at 26 MHz
- Optimized version for GNSS applications