- Product Announcement -

NEW: JT21G and JT21GE

Special TCXO for navigation systems (GPS, GNSS etc) in miniature SMD package

Miniature-sized SMD TCXO for navigation systems

JT21G is a temperature compensated high stability oscillator with a frequency stability as tight as ± 0.5 ppm. The standard frequency of this TCXO is 26.0MHz, and it is available in two temperature ranges -30°C ~ +85°C and -40°C ~+85°C. The available supply voltages are ranging from 1.8V to 3.3V.

Due to the high frequency stability of ± 0.5 ppm the JT21G TCXO meets the special requirements that apply to navigation systems like GPS or GNSS, such as a low temperature hysteresis and a strictly limited temperature slope.

The JT21G is suitable for miniaturized electronic devices with limited space on the printed circuit board.

Due to its clipped sine output and its low power design, this TCXO offers a very low power consumption and is particularly suitable for compact handheld and mobile applications.
In addition, JT21GE offers an E/D function to disable the TCXO and switch the output to high impedance.

The JT21G complies with the EU RoHS directive and is optimally suitable for fast automatic assembly lines.

Key-Features of the JT21G:

- miniature package: 2.0mm x 1.6mm x 0.7mm
- best stability and temp. range: ± 0.5 ppm (-30°C ~ +85°C or -40°C ~ +85°C)
- frequency range: 26.0 MHz (other frequencies case by case, please ask)
- supply voltages: 1.8 / 2.5 / 2.8 / 3.0 / 3.3 V (± 5%)
- typical applications: navigation systems (GPS, GNSS etc)
- with enable/disable function: JT21GE: pin #1 is enable/disable, output can be switched to high impedance
- supply current: 2 mA during operation, 5.5 µA if disabled
- low temperature hysteresis 0.6 ppm max.
- temperature slope 0.1 ppm / °C max. (at max. temperature steps of 2°C)
- small packaging area and light weight
- suitable for Lead-free soldering process at 260°C max
- 100% lead-free
- RoHS compliant

RoHS compliant | Pb free | REACH compliant | Conflict mineral free

Dimensions: