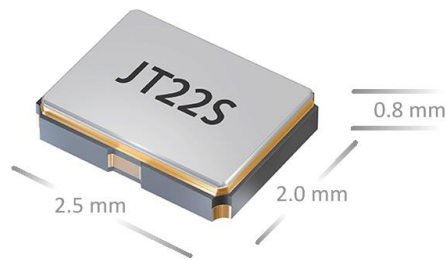


- Product Announcement -

NEW: JT22S and JT22SV
TCXO and VCTCXO
in miniature SMD package



Small-sized SMD TCXO and VCTCXO

JT22S and JT22SV is a series of temperature compensated high stability oscillators with a frequency stability as tight as ± 1.0 ppm, and is offered in a frequency range from 9.5 MHz to 52.0 MHz and is starting at 1.8V.

In addition to the TCXO JT22S, the VCTCXO version JT22SV can be tuned by ± 8.0 ppm min. using an external voltage.

Due to the high frequency stability down to ± 1.0 ppm the JT22S(V) series fulfils very high requirements and is specially designed for ZigBee, Bluetooth and other wireless applications. The JT22S(V) series combines excellent frequency stability with a clipped sine output, that enables a very low power consumption.

The JT22S(V) series is particularly suitable for miniaturized electronic devices with very limited space on printed circuit board.

The JT22S(V) is available in a variety of temperature ranges, up to the extended operating temperature range of $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$ for industrial applications.

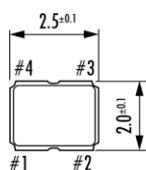
The JT22S / JT22SV complies with the EU RoHS directive and is optimally suitable for fast automatic assembly lines.

Key-Features of the JT22S and JT22SV:

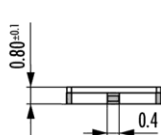
- miniature-package: 2.5mm x 2.0mm x 0.8mm
- best stability and temp. range: ± 1 ppm ($-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$)
- frequency range: 9.5 MHz ~ 52.0 MHz
- supply voltages: 1.8 / 2.5 / 2.8 / 3.0 / 3.3 ($\pm 5\%$)
- typical applications: Wireless applications (WiFi, ZigBee, Bluetooth etc.)
- VCTCXO version available with configurable center voltage
- small packaging area and light weight
- suitable for Lead-free soldering process at 260°C max
- 100% lead-free
- RoHS compliant



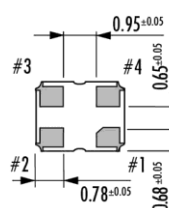
Dimensions:



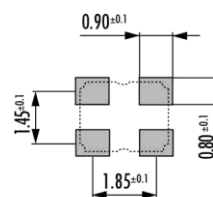
top view



side view



bottom view



pad layout

TCXO
JT22S
1: GND
2: GND
3: output
4: Vcc

VCTCXO
JT22SV
1: Vcontrol
2: GND
3: output
4: Vcc

pin connection

in mm