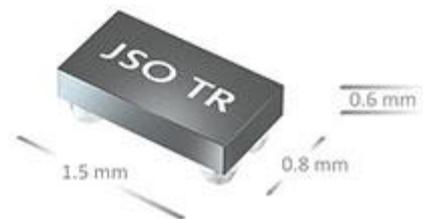


NEW: MEMS Oscillator JSO15 TR

Temperature compensated MEMS oscillator 32.768 kHz with lowest current consumption for RTC applications:

MEMS oscillator JSO15 TR



Jauch Quartz GmbH enlarges its existing MEMS oscillator product range with the new MEMS JSO15 TR . an attractive solution for especially temperature compensated RTC applications.

The MEMS JSO15 TR is an ultra-low power 32.768 kHz temperature compensated oscillator in a tiny CSP package. It offers unrivaled frequency stability down to +/-5ppm in a temperature range of -40°C ~ +85°C. This excellent stability is achieved by precise temperature compensation during the production process. The factory trimming also makes the 32.768 kHz TCXO very insensitive towards supply voltage variations.

Active rail-to-rail output:

Due to its LVCMOS compatible output that swings rail-to-rail, the JSO TR 32.768kHz TCXO is able to feed one or more CMOS circuits with a stable frequency of 32.768kHz, while keeping the current consumption to a level of less than 1.2 μ A (typical, no load, supply voltage 1.8V). This allows for an energy-efficient operation of the oscillator. Furthermore, the active output can feed XIN inputs of ICs that would typically be connected to tuning fork crystals.

Variable supply voltage:

The supply voltage offers a variable range from 1.5 V ~ 3.63 V, while the frequency variation is kept within the limits of +/-1.5ppm.

Versatile fields of application:

Due to its characteristics the MEMS JSO15 TR is particularly suited for real-time clock applications for example in the area of medical instruments or health and wellness monitoring. The low power consumption allows for the application of the oscillator in wearables, smart watches and activity trackers and is the basis for a long time of operation. The extreme temperature stability makes the oscillator particularly attractive for smart metering or automated meter reading where devices are positioned outside of a building.

(January, 2016)

B.C.E. S.r.l. - Via Regina Pacis, 54/c - I 41049 Sassuolo (MO), Italy

Tel: (+39) 0536 811616

Fax: (+39) 0536 811500

E-mail: bce@bce.it

Web: www.bce.it