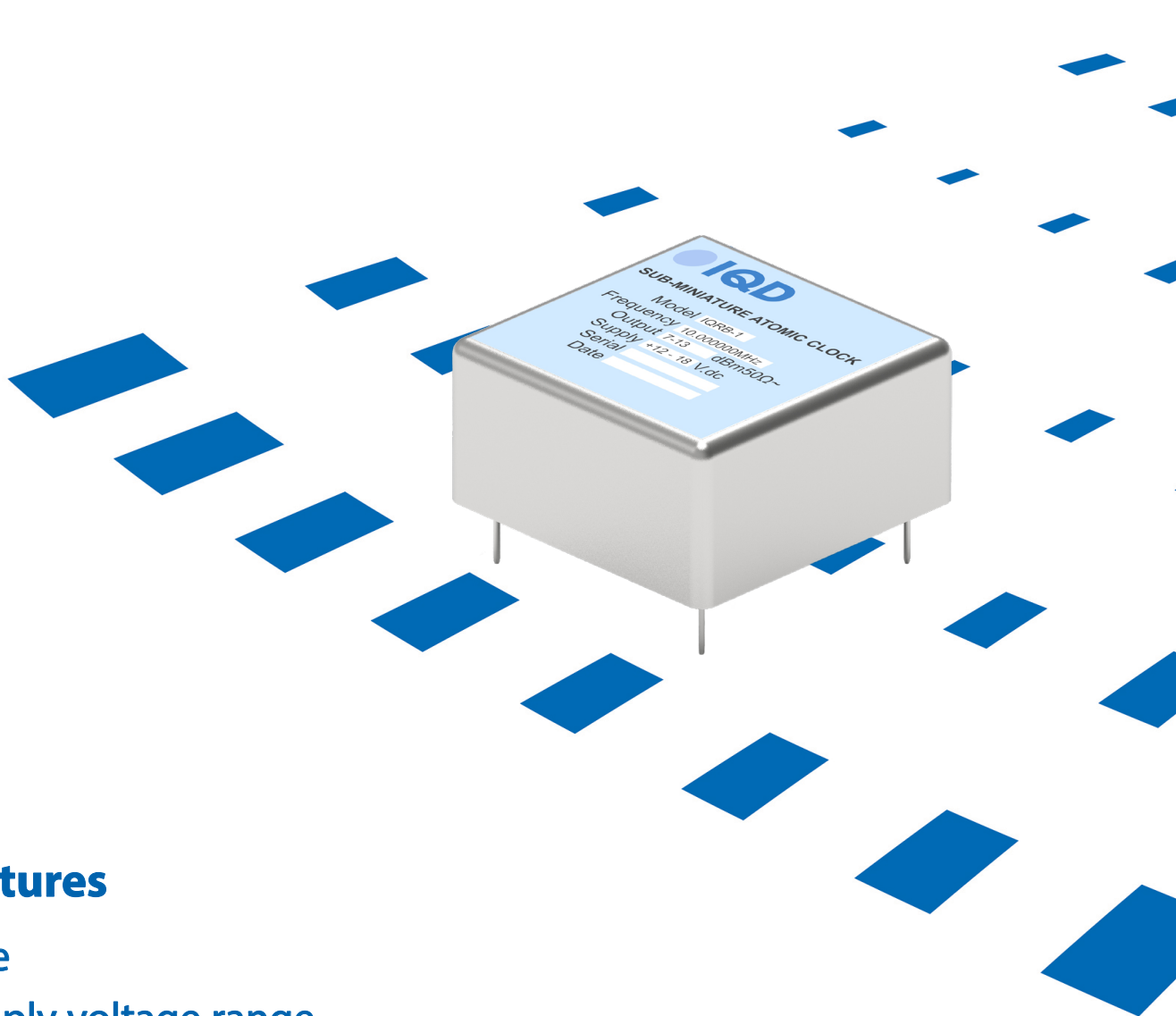




# Rubidium Oscillator

## ■ IQRB-1



## Key Features

Small size

Wide supply voltage range

Good short term stability

# IQRB-1 Rubidium Oscillator

With the increasing cross-linkage of people, machines, applications and devices the need for accurate timing is an essential factor for success. A smart world can only run smoothly with all participants being on time. IQD's IQRB-1 contributes to the worldwide timing infrastructure with its accuracy, tight short term as well as superb long term stability. It's perfectly suited as frequency and timing reference for example for communication base stations, broadcasting or industrial equipment.

## Specification

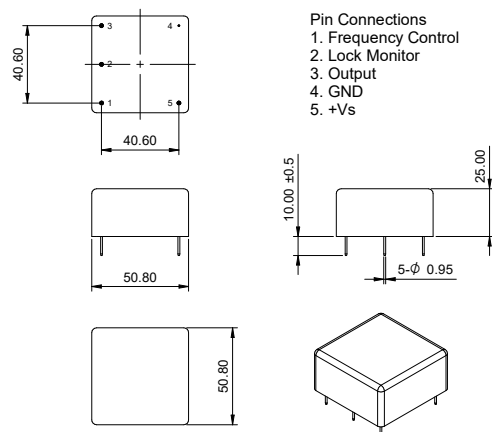
- 50.8 x 50.8 x 25 mm package size
- Frequency Range: 10 MHz
- Ageing:  $\pm 0.05$  ppb per month
- Short Term Stability:  $8E-11$  @  $\tau = 1$  s
- Current Consumption (Steady State):  $< 0.5$  A
- Supply Voltage Range: 12 V to 18 V

## Applications

Frequency and timing reference for:

- Global Navigation Systems (GPS)
- Communication
- Broadcasting
- Financial data distribution
- Industrial equipment

Outline (mm)



## Stock parts available:

Part Number	Supply Voltage	Package (mm)	Output	Frequency	Short Term Stability @ 1 s	Operating Temperature Range
LFRBXO059244	12 V	50.8 x 50.8	Sine	10 MHz	$8E-11$ @ $\tau$	-30 to 65 °C

For other specifications please contact IQD.

## Additional material available:

### Handbook

IQD has done extensive testing and gathered the results into a comprehensive handbook. These include among others short term stability, power consumption, retrace and frequency over temperature measurements.

## IQD Contact Details



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