

# 32.768kHz Low Current Consumption TCXO

—Mercury ME Series



## ▶ Products

- Output Waveform: CMOS
- Supply Voltage: +1.8V / +2.5V / +3.0V / +3.3V
- Frequency Stability:  $\pm 5\text{ppm} / -40^{\circ}\text{C} \text{ to } +85^{\circ}\text{C}$   
 $\pm 8\text{ppm} / -40^{\circ}\text{C} \text{ to } +105^{\circ}\text{C}$
- Current Consumption: 1  $\mu\text{A}$ (typ.)
- Size:  $3.2 \times 2.5 \times 1.4 \text{ mm}$   
 $2.1 \times 1.3 \times 1.1 \text{ mm}$

## ▶ Applications

- RTCs
- Portable instruments
- Smart metering, data loggers
- GPS receivers
- Telematics
- Timing synchronization for networks, servers, hubs, routers and switches

## ▶ Features

- Provide a much better timekeeping accuracy than the competition.
- A proprietary temp. compensation technique is applied to the built-in 32.768 KHz tuning fork crystal & temp. sensor.
- A 1.5  $\mu\text{A}$  typical current consumption makes it ideal for battery-operated devices.
- Small ceramic SMD package, ideal for new miniaturizing applications.

