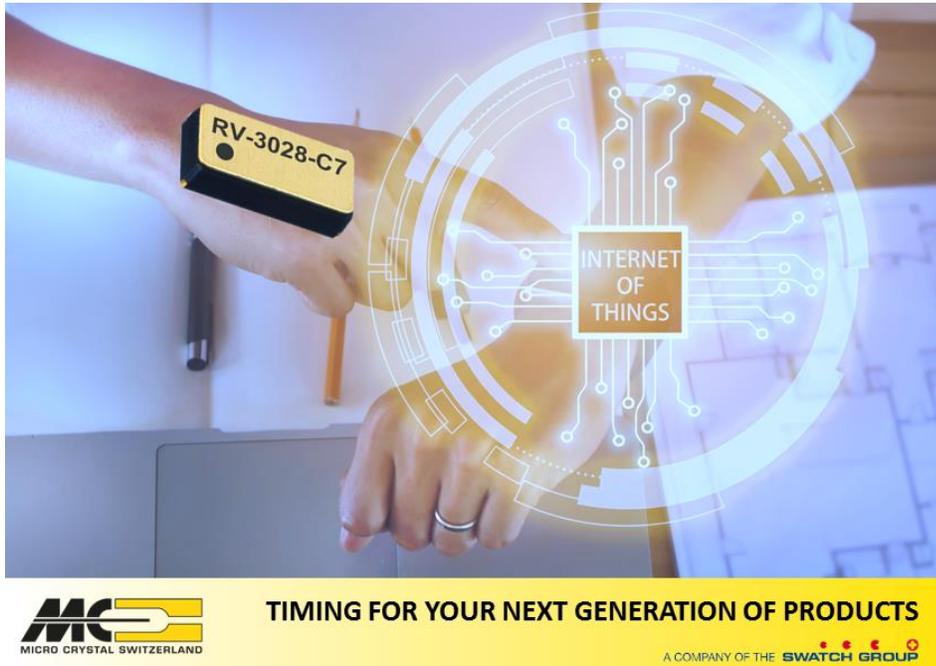


**February 21 2018**

**Press release: RV-3028-C7**



**TIMING FOR YOUR NEXT GENERATION OF PRODUCTS**

A COMPANY OF THE **SWATCH GROUP**

### **The RV-3028-C7 is the first ultra-low power RTC-module requiring just 40nA!**

The new Real-time Clock Module RV-3028-C7 sets the new benchmark for lowest power consumption: 40 nA at a supply 3 V. The high accuracy of  $\pm 1$  ppm at room temperature eliminates any calibration during manufacturing. The tiny package of just 3.2 x 1.5 x 0.8 mm combines the quartz crystal with the RTC circuit, offering also an integrated battery-back-up switch. The extreme low power consumption allows using MLCC capacitors to cover the back-up time. Together with an event detection input it features all the prerequisites for Wearables, Medical Healthcare and power sensitive IoT applications.

- Industries lowest current consumption of only 40 nA at 3 V supply
- Factory calibrated time reference  $\pm 1.0$  ppm at 25°C
- Integrated 32.768 kHz Quartz Crystal
- Event input for time-stamping during system power-down
- Battery back-up switch with trickle charge ideal also for MLCC and Supercap
- Wide voltage range 1.2 to 5.5V
- Ultra-miniature ceramic SMD package: 3.2 x 1.5 x 0.8 mm
- Provides year, month, date, weekday, hours, minutes and seconds
- 32 bit Unix time counter e.g. for security code calculations
- I<sup>2</sup>C interface 400 kHz

Specific link to the home page: <https://www.microcrystal.com/en/products/real-time-clock-rtc/>

Quote:

Markus Hintermann, International Product Manager at Micro Crystal AG in Switzerland quotes: "The RTC-Module RV-3028-C7 is the new mile stone in the field of time references. The combination of timing with back-up circuitry featuring the industry's lowest power consumption extends the autonomy in harsh conditions and will become the time reference of choice for Wearable and IoT applications."