

## PRESS RELEASE

### Micro Crystal ultra-thin 32.768 kHz Crystal improves oscillator reliability

#### Advanced package geometry enhances mechanical flexibility in products on-the-go

Grenchen, Switzerland, May 1, 2018 – Micro Crystal AG, the ultra-low-power, low-voltage solution provider today announced the next step in miniaturization: **CM9V-T1A 0.3**: a 32.768 kHz Quartz Crystal with a maximum thickness of 0.35 and a foot print of just 1.6 x 1.0 mm

This new tiny geometry enhances the circuitry in application where bending radii are critical. It complements the new bendable thin film batteries from [www.renata.com](http://www.renata.com). The crystals are ideal for:

- Smart cards
- E-textile
- Wearables and activity bands
- Embedded modules
- Health care, e-medicine treatment sticking plaster

The 32.768 kHz Crystal family has proven track record in thousands of applications worldwide.

Wearables, IoT, Industrial, Automotive, Healthcare and Consumer

Type	Frequency	Size , l x w x h	Status
CM9V-T1A 0.3	32.768 kHz	1.6 x 1.0 x 0.3 mm	High volume production ramp-up
CM8V-T1A 0.3	32.768 kHz	2.0 x 1.2 x 0.3 mm	High volume production

#### Detailed information for Low Frequency Crystals

<https://www.microcrystal.com/en/products/khz-quartz-crystals/>

#### About Micro Crystal AG

Based in Grenchen, Switzerland, Micro Crystal AG designs, manufactures and sells worldwide quartz crystals, oscillators, OCXOs and real-time clocks for the electronics industry. The company employs approximately 500 people globally and has high-volume manufacturing facilities in Thailand and Switzerland. Micro Crystal's sales offices in Europe, Asia and North America ensure close cooperation with customers and excellent technical support. Micro Crystal AG stands for reliable, safe technology, high quality and environmentally friendly production. [www.microcrystal.com](http://www.microcrystal.com)

#### Micro Crystal AG

Muehlestrasse 14 · CH-2540 Grenchen · Switzerland

telephone +41 32 655 82 82 · fax +41 32 655 82 83 · [info@microcrystal.ch](mailto:info@microcrystal.ch) · [www.microcrystal.ch](http://www.microcrystal.ch)

**Media inquiries**

MarCoMedia GmbH

Monika Ailinger, tel +41 41 850 44 24, [m.ailinger@marcomedia.ch](mailto:m.ailinger@marcomedia.ch)

**Company contact**

Micro Crystal AG

Technical Marketing Manager

Markus Hintermann, tel +41 32 655 84 91, [markus.hintermann@microcrystal.ch](mailto:markus.hintermann@microcrystal.ch)