# PRESS RELEASE

**IQD presents low phase noise oscillators IQXO-408 and   
IQXO-455**

**One of the world’s best performing oscillators available from IQD**

Waldenburg (Germany), 8 June 2021 – IQD, a subsidiary of the Würth Elektronik eiSos Group, is pleased to launch its newest low phase noise oscillators, the IQXO-408 & IQXO-455, available in industry standard packages of 2.5 x 2.0 mm and 3.2 x 2.5 mm. The new CMOS clock oscillators can perform with a close in phase noise as low as -113 dBc/Hz @ 10 Hz and far out phase noise as low as -175 dBc/Hz @ 100 kHz (3.3 V, 20 MHz, IQXO-408). The low phase noise oscillators are available at either 1.8 V, 2.5 V or 3.3 V with a phase jitter down to 40 fs RMS (over 12 kHz to 5 MHz).

As application requirements drive the need for greater data rates, more oscillator devices with ultra-low phase noise are required. This type of application is especially prevalent in today's connected world. Applications include fibre transceivers, gigabit Ethernet and 5G base stations.

Common applications of the IQXO-408 & IQXO-455 include high data rate applications, IoT, 5G, PLL, frequency multiplier, clock recovery, gigabit Ethernet, fibre, studio grade and high-end consumer audio equipment.

For full details on the IQXO-408 & IQXO-455, please visit [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com) or for further advice, speak to a member of IQD’s Sales or Applications Support team.

**Available images**

The following images can be downloaded from the Internet in printable quality: [http://www.htcm.de/kk/wuerth](http://www.htcm.de/kk/wuerth/?lang=en)

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| Low phase noise clock oscillators June PR pictureImage source: IQD  **Low phase noise oscillators IQXO-408 and IQXO-455 by IQD** |

About IQD

Backed by over 40 years’ experience in the manufacture of frequency products, IQD is a recognised market leader in the frequency control market and part of the Würth Elektronik eiSos Group, one of the leading European manufacturers of passive components. With active customers in over 80 countries, IQD offers one of the most comprehensive frequency product ranges available, from low cost commercial grade product to that used in high reliability industrial and automotive applications including: Quartz Crystals, Clock Oscillators, AEC-Q200 Crystals & Oscillators, VCXOs, TCXOs, OCVCSOs & OCXOs, GPS Disciplined OCXOs, and Rubidium Oscillators.

Further info at [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)

About the Würth Elektronik eiSos Group

Würth Elektronik eiSos Group is a manufacturer of electronic and electromechanical components for the electronics industry and a technology company that spearheads pioneering electronic solutions. Würth Elektronik eiSos is one of the largest European manufacturers of passive components and is active in 50 countries. Production sites in Europe, Asia and North America supply a growing number of customers worldwide.

The product range includes EMC components, inductors, transformers, RF components, varistors, capacitors, resistors, quartz crystals, oscillators, power modules, Wireless Power Transfer, LEDs, sensors, connectors, power supply elements, switches, push-buttons, connection technology, fuse holders and solutions for wireless data transmission.

The unrivaled service orientation of the company is characterized by the availability of all catalog components from stock without minimum order quantity, free samples and extensive support through technical sales staff and selection tools.

Through its technology partnership with the Audi Sport ABT Schaeffler Formula E Team and its support for the Formula Student racing series, the company demonstrates its innovative strength in eMobility   
(www.we-speed-up-the-future.com).

Würth Elektronik is part of the Würth Group, the world market leader for assembly and fastening technology. The company employs 7,300 staff and generated sales of 823 million euros in 2020.

Würth Elektronik: more than you expect!

Further information at www.we-online.com

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