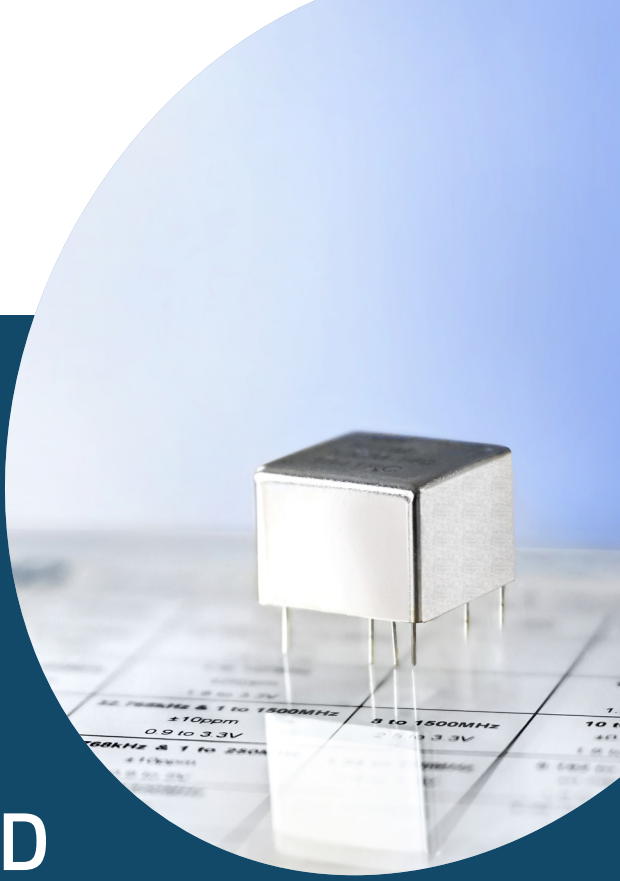
IQD



DISCIPLINED OSCILLATORS

Advanced GPS clock modules with reliable holdover

Disciplined OCXOs offer advanced timing functionality for distributed network systems. They provide a holdover function for a 1PPS timing synchronisation signal, which may be produced by a GNSS frequency receiver or other source. The DOCXO is a reliable option for cover during source signal interruptions.

Typical applications include: Isolated timing synchronisation, Smart power grids, 4G/5G LTE Base stations, MiFID II Compliance, GNSS/GPS Timing Outage Protection, IEEE 1588 (PTP) Compliant Boundary Clocks, Transparent Clocks.

EST. 1973

To find out more visit: IQDfrequencyproducts.com
T: +44 (0) 1460 270200 E: info@IQDfrequencyproducts.com

Contact our experts

Call our technical support team for advice on the right part for your design











*

	IQCM-140	IQCM-200	IQCM-112	IQCM-160	IQCM-100
Key Features	1pps & 10MHz output Frequency stability ± 5ppb	1pps & 10MHz output Frequency stability ± 0.2ppb	1pps & 10MHz output Integrated GNSS receiver	1pps & 10MHz output Frequency stability ± 0.05ppb	1pps & 10MHz output Frequency stability ± 0.2ppb
Package Size (mm)	20.2 x 20.2 x 12.4	51.0 x 51.0 x 13.0	60.0 x 60.0 x 13.0	25.0 x 30.0 x 15.0	65.0 x 65.0 x 18.0
Holdover Stability	<20 µs / 24hrs	<1.5 µs / 24hrs	<1.5 µs / 24hrs	<1.5 µs / 8hrs	<1.0 µs / 24hrs
Frequency	10 MHz	10 MHz	10 MHz	10 MHz	10 MHz
Ageing	± 0.3 ppb / day	± 0.2 ppb / day	± 0.2 ppb / day	± 0.5 ppb / day	± 0.2 ppb / day
Supply Voltage	3.3 V	5 V	5 V	3.3 V	5 V
Current Consumption (Steady State)	<600 mA	<600 mA	<1 A	<750 mA	<1 A
Data Output	Status word	Status word	NMEA data	Status word	Status word

** Images not to scale*

To find out more visit: IQDfrequencyproducts.com

T: +44 (0) 1460 270200 E: info@IQDfrequencyproducts.com

IQD Technical Support Services

We have a dedicated engineering and application test facility in the UK exclusively to support our customers, including:

- Crystal parameters including FR, FL, CO, C1, Trim, R1
- Oscillator parameters including F, current draw, output characteristics
- Frequency behaviours over temperature (stability)
- Phase noise and phase jitter
- Short-term stability
- Accelerated ageing
- Circuit characterisation
- MTIE/TDEV testing



About IQD

IQD offers one of the most comprehensive frequency product ranges available; from low cost commercial grade timing devices to those used in high reliability industrial and extended temperature applications including: Quartz Crystals, Clock Oscillators, Crystals & Oscillators qualified to AEC-Q200, VCXOs, TCXOs, VCTCXOs & OCXOs, GPS Disciplined OCXOs, and Rubidium Oscillators.

IQD has been a recognised market leader in the frequency products market since 1973. The company has invested in its design and technical measurement capabilities at its head office in the UK, which also acts as the centre of excellence for frequency products within the Würth Elektronik eiSos Group. This service, combined with excellent product quality and reliability, makes IQD the best choice for your frequency product and timing requirements.

IQD

Head Office UK: **+44 (0) 1460 270200**
Germany: **+49 (0) 7942 945 4912**
North America: **+1 (760) 668 8935**

info@IQDfrequencyproducts.com
IQDfrequencyproducts.com

/iqd-frequency-products-ltd
@iqdfrequency

IQD Frequency Products Ltd, Station Road, Crewkerne, Somerset TA18 8AR, UK