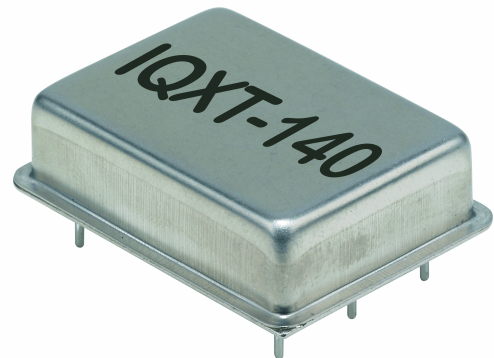


ISSUE 1; February 2016

Description

- Please note: This document is intended to illustrate the general capability and versatility of IQD's design. For specific enquiries please contact one of IQD's Sales Offices where we can tailor a unique specification to meet your needs.
- Low phase noise optimised design.
- High stability.
- Low ageing.
- Tuning range also available.



Frequency Parameters

- Frequency 2.0MHz to 150.0MHz
- Frequency Stability $\pm 1.00\text{ppm}$ to $\pm 2.00\text{ppm}$
- Typical Ageing @ 143MHz: $\pm 1\text{ppm}$ in the 1st year, $\pm 5\text{ppm}$ after 15 years
- Developed Frequencies:
 6.40MHz 8.1920MHz 10.0MHz 12.80MHz 16.3840MHz
 19.440MHz 24.0MHz 26.0MHz 27.0MHz 28.0MHz
 32.7680MHz 56.0MHz 80.0MHz 100.0MHz 143.0MHz
- For other frequency/specification combinations, please contact an IQD Sales Office
- Frequency Stability vs Temperature Range:
 Tightest Stability: $\pm 1\text{ppm}$ -20 to 70°C
 Widest Temperature Range: $\pm 2\text{ppm}$ -40 to 85°C

Electrical Parameters

- Supply Voltage 5.0V

Frequency Adjustment

- Frequency Adjustment Range: $\pm 5\text{ppm}$ to $\pm 15\text{ppm}$ (optional)

Operating Temperature Ranges

- -20 to 70°C
- -40 to 85°C

Output Details

- Output Compatibility HCMOS/Sinewave
- Available with either HCMOS output up to 120MHz or Sinewave output up to 150MHz

Noise Parameters

- Typical Phase Noise Figures @ 10MHz (dBc/Hz):
 100Hz 1kHz 10kHz 100kHz
 -115 -135 -140 -145

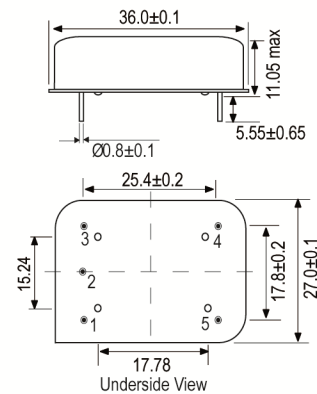
Environmental Parameters

- Storage Temperature Range: -55 to 105°C
- Environmental testing taken from IEC 60068
 Please contact an IQD Sales Office for full details

Ordering Information

- Minimum Enquiry Information:
 Frequency
 Model
 Supply Voltage
 Output
 Frequency Stability (over operating temperature range)
 Operating Temperature Range
 Frequency Adjustment

Outline (mm)



- Pin Connection
1. Voltage Control or N/C
 2. Ref. Voltage Output or N/C
 3. +VS
 4. Output
 5. GND

Sales Office Contact Details:

UK: +44 (0)1460 270200
 Germany: 0800 1808 443

France: 0800 901 383
 USA: +1.760.318.2824

Email: info@iqdfrequencyproducts.com
 Web: www.iqdfrequencyproducts.com

Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JEDEC-STD-033): Not Applicable

Packaging Details

- Pack Style: Bulk Supplied tube or box packaging
Pack Size: 40

Electrical Specification - maximum limiting values 5.0V

Frequency Min	Frequency Max	Temperature Range	Stability (Min)	Current Draw	Rise and Fall Time	Duty Cycle
		°C	ppm	mA	ns	%
2.0MHz	150.0MHz	-20 to 70	±1.0	-	-	-
		-40 to 85	±2.0	-	-	-

This document was correct at the time of printing; please contact your local sales office for the latest version.

[Click to view latest version on our website.](#)

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