



ISSUE 1; June 2012 - RoHS 2011/65/EU



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.
- Hermetically sealed oven controlled crystal oscillator (OCXO)
- Low phase noise and low jitter optimised design
- Optional reference voltage

Frequency Range

- Frequency 4.0 to 80.0MHz

Operating Temperature Ranges

- 0 to 60°C
- -30 to 75°C

Frequency Parameters

- Ageing (typ @ 10.0MHz after 30 days continuous operation):
After 1st year: ± 500 ppb
After 10 years: ± 2000 ppb
- Developed Frequencies:
10.0MHz 12.0MHz 12.2880MHz 16.3840MHz 19.20MHz 20.0MHz
32.7680MHz 38.40MHz 38.880MHz
- For other frequency/specification combinations please contact our sales offices
- Frequency Stability vs Temperature Range (AT cut option):
Tightest Stability: ± 30 ppb 0 to 60°C
Widest Temperature Range: ± 100 ppb -40 to 75°C

Electrical Parameters

- Current Consumption:
5.0V @ 25°C steady state, 200mA max
5.0V Warm up, 500mA max
- Reference Voltage Output (optional): Customer specified value
- Supply Voltage also available in 3.3V

Frequency Adjustment

- Frequency Adjustment Range: ± 5000 ppb to ± 15000 ppb

Output Details

- Output Load: 15pF standard

Noise Parameter

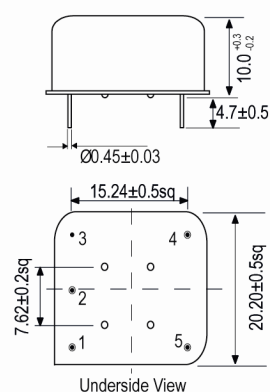
- Phase Noise typical figures @ 10.0MHz, AT cut device (dBc/Hz):
1Hz 10Hz 100Hz 1kHz 10kHz
-80 -110 -130 -135 -148

Environmental Parameters

- Environmental testing taken from IEC 60068
Please contact our sales offices for full details
- Storage Temperature Range: -55 to 105°C



Outline (mm)



Pin Connection

1. +V_S
2. Output
3. GND
4. Voltage Control or N/C
5. Ref. Voltage Output or N/C

Sales Office Contact Details:

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USA: +1 (0) 408 455 2426

Email: info@iqdfrequencyproducts.com
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Ordering Information

- Minimum data needed to open an enquiry:-
 - Frequency
 - Model
 - Supply Voltage
 - Frequency Stability (over operating temperature range)
 - Operating Temperature Range
 - Frequency Adjustment
 - Reference Voltage Output

Packing Details

- Pack Style: **Bulk** Supplied tube or box packaging
 - Pack Size 80
- Alternative packing options available

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