



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

Description

- Please note: This document is intended to illustrate the general capability and versatility of DEI's design. For specific enquiries please contact one of DEI'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 Range

- Frequency 2.0 to 150.0MHz
- Frequency Stability $\pm 1.00\text{ppm}$

Supply Voltage

- Voltage 5.00V

Operating Temperature Ranges

- -20 to 70°C
- -40 to 85°C

Frequency Parameters

- 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 DEI 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

Frequency Adjustment

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

Output Details

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

Noise Parameter

- Typical Phase Noise Figures @ 10MHz (dBc/Hz):

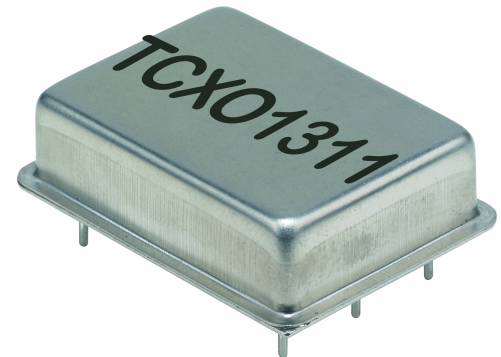
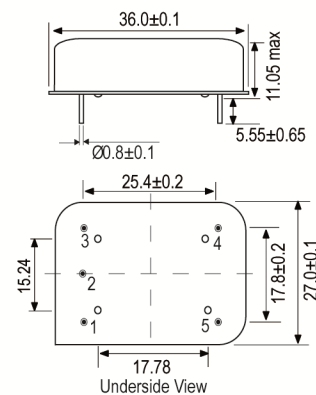
100Hz	1kHz	10kHz	100kHz
-115	-135	-140	-145

Environmental Parameters

- Storage Temperature Range: -55 to 105°C
- Environmental testing taken from IEC 60068
Please contact an DEI 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:

Tel: +1-281-870-8822

Web: www.dynamiceng.comEmail: sales@dynamiceng.com



Packing Details

- Pack Style: **Bulk** Supplied tube or box packaging
Pack Size 40
- Alternative packing options available

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

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