



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 120.0MHz
- Frequency Stability  $\pm 1.00\text{ppm}$

Supply Voltage

- Voltage 3.30V

Operating Temperature Ranges

- -20 to 70°C
- -40 to 85°C

Frequency Parameters

- Typical Ageing @ 100MHz:  $\pm 1\text{ppm}$  in the 1st year,  $\pm 5\text{ppm}$  after 15 years
- Developed Frequencies:  
9.60MHz 10.0MHz 12.0MHz 16.3840MHz 18.0MHz 20.0MHz  
26.50MHz 30.0MHz 32.7680MHz 41.250MHz 55.0MHz 61.440MHz  
80.0MHz 100.0MHz 103.7030MHz 115.0MHz
- 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)

Noise Parameter

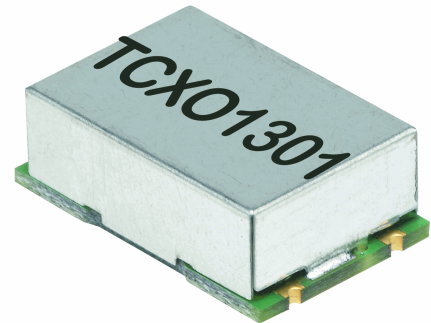
- Typical Phase Noise Figures @ 80MHz (dBc/Hz):  
100Hz 1kHz 10kHz 100kHz  
-100 -125 -140 -145

Environmental Parameters

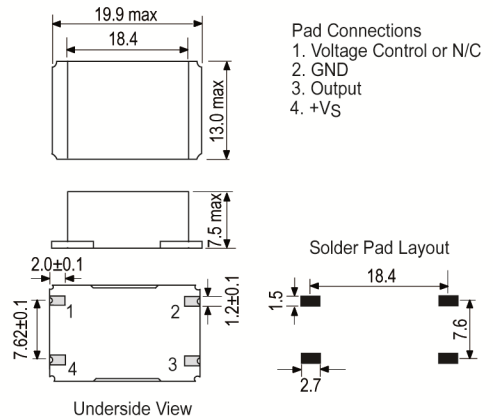
- Storage Temperature Range: -55 to 105°C
- Environmental testing taken from IEC 60068  
Please contact an DEI Sales Office for full details

Ordering Information

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



Outline (mm)



Sales Office Contact Details:

Tel: +1-281-870-8822

Web: www.dynamiceng.com

Email: sales@dynamiceng.com



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### Packing Details

- Pack Style: **Bulk**            Supplied in tube or box packaging  
Pack Size                      1
- Pack Style: **Tape**            Tape and reel in accordance with EIA-481-D  
Pack Size                      250
- 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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