

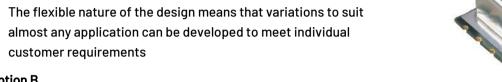


OCXO Part No: OS240-1005-024

Issue 2; 6th May 2022

Features

- Temperature stability ±10ppb
- Low phase noise
- Frequency 10MHz
- Low pre-aged options available
- almost any application can be developed to meet individual



Option B

Temperature stability: ±10ppb over (-20 to +70)°C

Output: CMOS 15 pF, 45% 55% Voltage: 3.3V Warm up current: 560mA Quiescent current: 320mA



F0₀+10Hz -125 dBc/Hz F0₀+100Hz -145 dBc/Hz F0₀+1KHz -155 dBc/Hz F0₀+10KHz -160 dBc/Hz F0₀+100KHz -165 dBc/Hz



±5% supply voltage change: ±2ppb

±10% load change: ±10ppb

After 30 days continuous operation:

Per day: ±0.1ppb max. Per year: ±50ppb max.

Warm up time: 2 minutes to within 0.1 ppm

Voltage Trim

- ±0.5ppm minimum
- Trim impedance 50KΩ

Reference Options

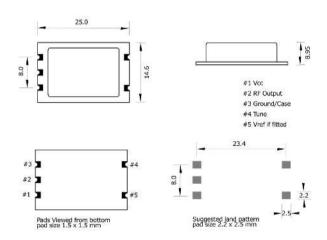
3.0V

Environmental

- Electrostatic-Sensitive Device (ESD)
- Storage Temperature Range: (-40 to +125)°C
- Mechanical shock: MIL standard 202F, method 213, condition J
- Thermal shock: MIL standard 202F, method 107, condition A



Dimensions (mm)



Phase Noise Plot



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- Vibration: MIL standard 202F, method 204, condition B
- Solderability: 5 seconds maximum at 230°C
- 3 seconds maximum at 350°C

Compliance

- RoHS Status (2011/65/EU) Compliant
- **REACH Status Compliant**

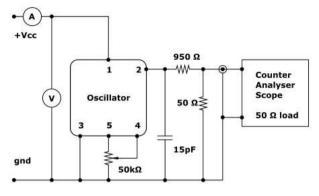
Packaging

■ Pack Style: Bulk

Ordering Information

- Unique customer part number and custom specification issued with each application
- OCXO Part No: 0S240-1005-024
- Frequency: 10MHz
- Stability/Output/Voltage: Option B
- Supply voltage code: V1= +3.3Vd.c. supply
- Add suffix (R) for Vref output on pin #5

Test Circuit - CMOS



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