



OCXO Part No.: 0S560-1005-014

Issue 2: 6th May 2022

Features

- Temperature stability ±10ppb
- Low phase noise
- Frequency 10.00MHz
- The flexible nature of the design means that variations to suit almost any application can be developed to meet individual customer requirements

Option B

- Temperature stability: ±10ppb over (-20 to 70)°C
- Output: Sinewave OdBm nominal

Voltage: 3.3VWarm up current: 720mAQuiescent current: 320mA

Phase Noise (typical)

FO₀+10Hz -130 dBc/Hz
 FO₀+100Hz -150 dBc/Hz
 FO₀+1KHz -160 dBc/Hz
 FO₀+10KHz -168 dBc/Hz
 FO₀+100KHz -175 dBc/Hz

Voltage / Load change

■ ±5% supply voltage change: ±2ppb

■ ±10% load change: ±10ppb

Ageing

After 30 days continuous operation:

- Per day: ±0.1ppb max.
- Per year: ±50ppb max.
- Warm up time: 5 minutes to within 0.1ppm

Voltage Trim

- ±0.5ppm minimum
- Trim impedance 50KΩ

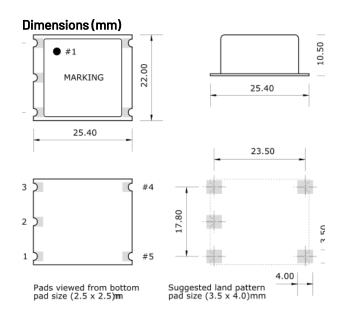
Reference Options

3.0V

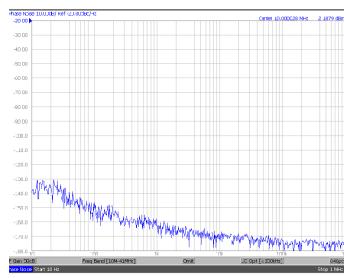
Environmental

- 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
- Vibration: MIL standard 202F, method 204, condition B





Phase Noise Plot



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- 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

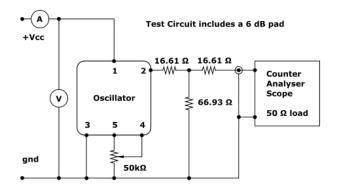
Ordering Information

OCXO Part No: OS560-1005-014

Frequency: 10.00MHz

Stability/Output/Voltage: Option B

Test Circuit - Sinewave



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