



BLILEY TECHNOLOGIES INC.

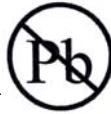
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This is our interpretation of your specification. If this does not meet your requirements in any way, please contact us as soon as possible.

BLILEY P/N: NVG47A1282

Customer Approval: _____ Date: _____



RoHS compliant product.

Type: OCVCXO

Frequency: 10.0 MHz

Output:

| | |
|-------------------|---|
| a. Type | Sinewave |
| b. Level | +7 dBm Min ± 1 dB (Over -30°C to +70°C and Vs = +5.0 ± 3%) |
| c. Load | 50 Ohms |
| d. Harmonics/Subs | -30 dBc Max |
| e. Spurious | -80 dBc Max |

Frequency Stability:

| | |
|----------------|--|
| a. Temperature | ± 0.005 ppm over -5°C to +50°C |
| b. Aging | ± 0.020 ppm over -30°C to +70°C ± 1.0 ppb/day ± 0.3 ppm/year |
| c. Supply | ± 1.0 ppb for a 1% change |

Electrical Frequency Adjust:

| | |
|--------------------|-------------------------------|
| a. Range | ± 0.5 ppm Min to ±1.1 ppm Max |
| b. Sensitivity | 2.5 Hz/V Min to 5.5 Hz/V Max |
| c. Voltage | +0.0 Vdc to +4.0 Vdc |
| d. Slope | Positive |
| e. Input Impedance | 10 Kohms to 100 Kohms |

| Date | Rev. | Revised per | Initials |
|------|------|-------------|----------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

| Initials | Date |
|-------------------|----------------|
| Mechanical Eng: | JPG |
| Design Eng: | PR |
| Quality: | DPM |
| Release Date: | 3-21-06 |
| Specification No. | Revision |
| 6891 | 1 of 3 |

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| | |
|--|---|
| Start-Up: | 10 MHz output level within 0.5 seconds over -30°C to +70°C |
| Short Term Stability: | $\leq 1 \times 10^{-10}$ for 0.1 sec to 1 sec |
| Phase Noise: | -120 dBc/Hz at 10 Hz -130 dBc/Hz at 100 Hz -140 dBc/Hz at 1 KHz -145 dBc/Hz at 10 KHz -145 dBc/Hz at 100 KHz |
| Warm-Up: (Ref. to 30 Minutes on time) | Within ± 1.0 ppm in 2 Minutes Within ± 0.1 ppm in 2.5 Minutes Within ± 0.03 ppm in 5 Minutes Within ± 0.01 ppm in 15 Minutes |
| Supply: | +5.0 Vdc $\pm 5\%$ 5 Watts Max at Warm-Up 2 Watts Max Steady state at +25°C |
| Vref: | +4.0 Vdc ± 0.2 Vdc at 1 mA Max |
| Operating Temperature Range: | a. Normal b. Extended -5°C to +50°C -30°C to +70°C |
| Storage Temperature Range: | -55°C to +85°C |
| Package: | See Outline Drawing |

| Specification No. | Revision | Sheet # |
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| Specification No. | Revision | Sheet # |
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