

**BLILEY TECHNOLOGIES INC.**2545 West Grandview Blvd.
Erie, PA 16506Phone: (814) 838-3571
FAX: (814) 833-2712Web: www.bliley.com
E-Mail: info@bliley.com

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 $V_s = +5.0 \pm 3\%$)
- 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
 ± 0.020 ppm over -30°C to +70°C
- b. Aging ± 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	3-21-06
Design Eng:	PR	3-21-06
Quality:	DPM	3-28-06
Release Date: 3-21-06		
Specification No.	Revision	Sheet #
6891		1 of 3

UNCONTROLLED -- ISSUED March 28, 2006

Users of this document are responsible for ensuring that they are using the correct revision level.
PROPRIETARY INFORMATION -- Disclosure or duplication of this material, in whole or in part, is prohibited except as authorized in writing by Bliley Technologies Inc.

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 -5°C to +50°C
b. Extended -30°C to +70°C

Storage Temperature Range: -55°C to +85°C

Package: See Outline Drawing

Specification No.	Revision	Sheet #
6891		2 of 3

UNCONTROLLED -- ISSUED March 28, 2006

Users of this document are responsible for ensuring that they are using the correct revision level.
PROPRIETARY INFORMATION -- Disclosure or duplication of this material, in whole or in part, is prohibited except as
authorized in writing by Bliley Technologies Inc.

