BLILEY TECHNOLOGIES INC.
2545 West Grandview Blvd.
Erie, PA 16506

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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
		± 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**

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Start-Up: 10 MHz output level within 0.5 seconds
                                   over -30°C to +70°C

Short Term Stability: ≤ 1x 10e-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: Within ± 1.0 ppm in 2 Minutes
(Ref. to 30 Minutes on time)   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 ± 5%
                                   5 Watts Max at Warm-Up
                                   2 Watts Max Steady state at +25°C

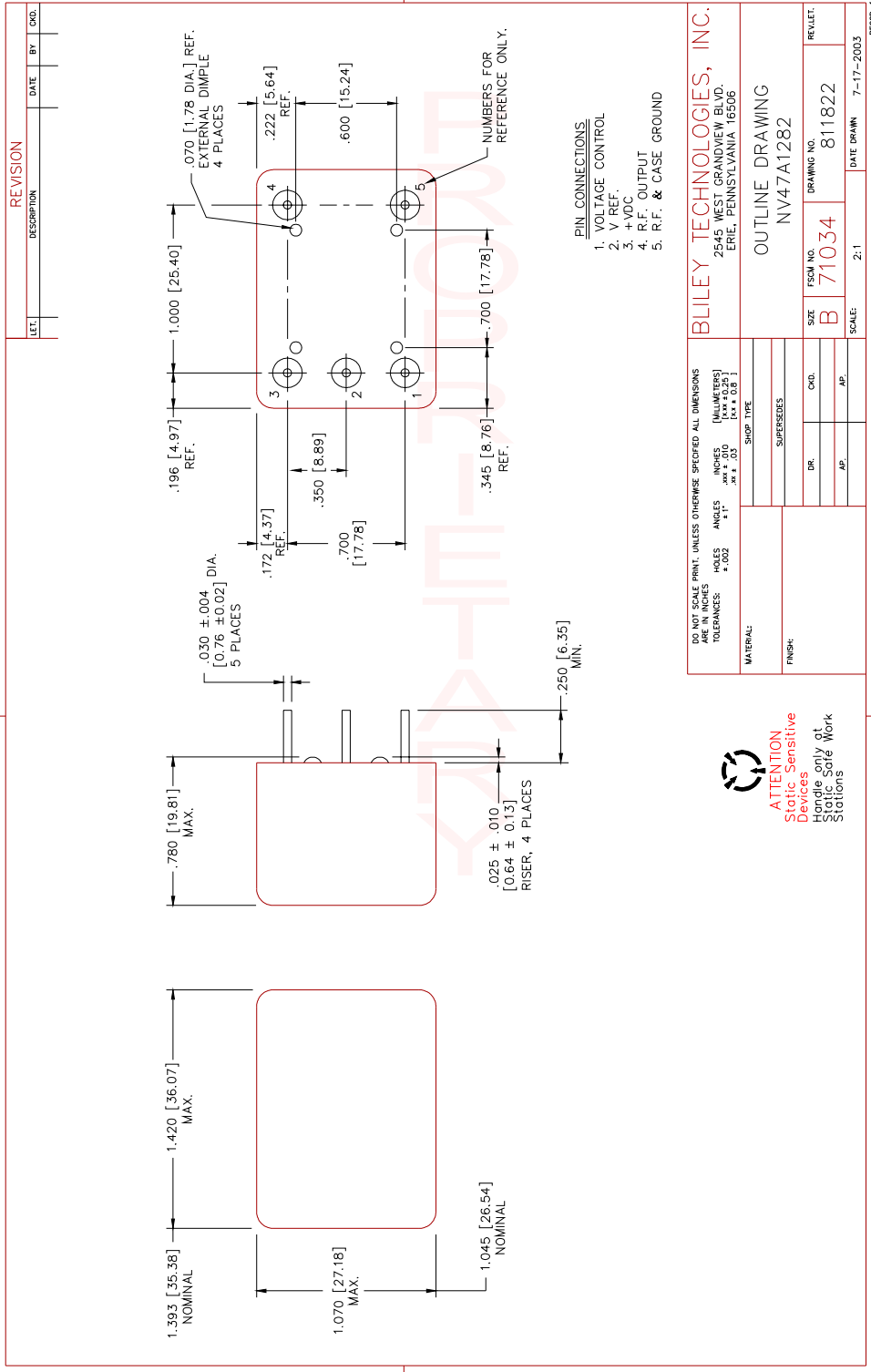Vref: +4.0 Vdc ± 0.2 Vdc at 1 mA Max

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

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.070 [1.78 DIA.] REF.
EXTERNAL DIMPLE
4 PLACES

.222 [5.64]
REF.

.600 [15.24]

NUMBERS FOR
REFERENCE ONLY.

4

5

1.000 [25.40]

.700 [17.78]

3

2

1

.196 [4.97]
REF.

.350 [8.89]

.345 [8.76]
REF.

.172 [4.37]
REF.

.700
[17.78]

.030 ±.004 DIA.
[0.76 ±0.02]
5 PLACES

.250 [6.35]
MIN.

.780 [19.81]
MAX.

.025 ± .010
[0.64 ± 0.13]
RISER, 4 PLACES

1.420 [36.07]
MAX.

1.045 [26.54]
NOMINAL

1.393 [35.38]
NOMINAL

1.070 [27.18]
MAX.

PIN CONNECTIONS
1. VOLTAGE CONTROL
2. V REF.
3. + VDC
4. R.F. OUTPUT
5. R.F. & CASE GROUND

BLILEY TECHNOLOGIES, INC.
2545 WEST GRANDVIEW BLVD.
ERIE, PENNSYLVANIA 16506

OUTLINE DRAWING
NV47A1282

SIZE	FSCM NO.	DRAWING NO.	REV.LET.
B	71034	811822	
SCALE:	2:1	DATE DRAWN	7-17-2003

PE20D-1

DO NOT SCALE PRINT. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS
ARE IN INCHES

TOLERANCES:

	INCHES	[MILLIMETERS]
HOLES	.XXX ± .010	[.X ± 0.25]
±.002	.XX ± .03	[.XX ± 0.8]
ANGLES		
±1°		

SHOP TYPE

SUPERSEDES

MATERIAL:

FINISH:

DR.

CKD.

AP.

AP.

NOT TO SCALE

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