

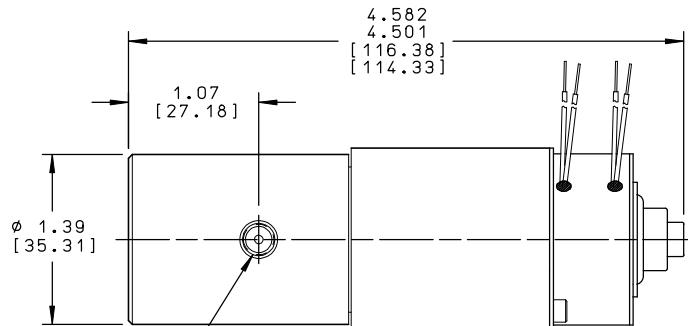
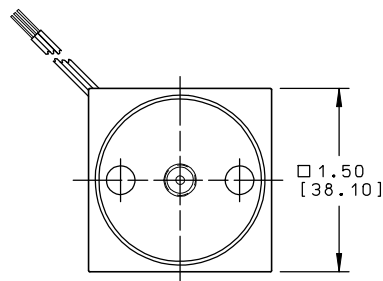
DWG. NO.
LPVX0400050B

ALT.	DATE	BY	DESCRIPTION
C3	02-23-01	DKR	DELETED NOTE 7 & 16, NOTE 6: 11 OHMS WAS 14.7 OHMS. NOTE 19: REVERSE Cv STROKE %

OUT	BIPOLAR	02-03	01-04	06-07	05-08	IN
STEP						
1	ON	OFF	ON	OFF		
2	OFF	ON	ON	OFF		
3	OFF	ON	OFF	ON		
4	ON	OFF	OFF	ON		
1	ON	OFF	ON	OFF		

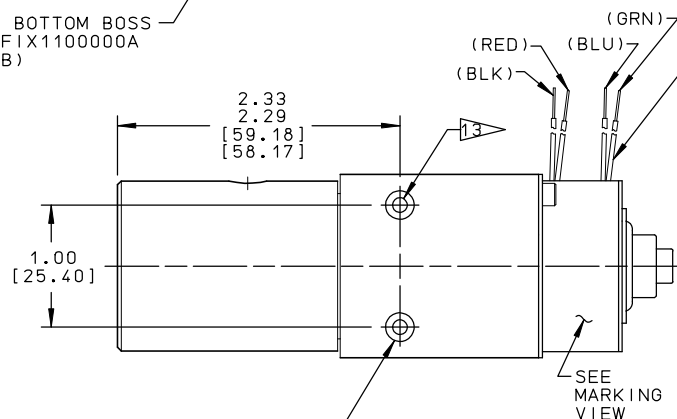
STEPPING SEQUENCE

2X 1/4-28 FLAT BOTTOM BOSS
PER LEE DWG. TFIX1100000A
(.250-28 UNF-2B)

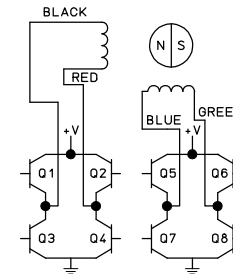


PROPRIETARY ITEM

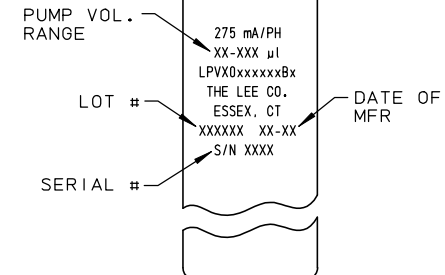
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4X LEADS:
28 AWG
11.0-12.5
[279.4-317.5] LONG
(.25 STRIPPED)



WIRING DIAGRAM



MARKING VIEW
SCALE: 2/1

19. Cv: FULL STROKE $\leq .04\%$
10% STROKE $\leq .4\%$
18. ACCURACY: $\pm .5$ - 1.5% BACKLASH UNCOMPENSATED.
 $\pm .5\%$ BACKLASH COMPENSATED.
17. HARMONIC FREQUENCY OF THE PUMP 70-100 Hz.
15. FOR ADDITIONAL INFORMATION, SEE THE LEE CO. VARIABLE VOLUME PUMP MANUAL AVAILABLE THROUGH LEE SALES ENGINEERING.
14. RECOMMENDED MOUNTING SCREW TORQUE: 40-86 IN-OZ [.28-.61 N-m].
2X MOUNTING HOLES: $\phi .12$ [3.05] THRU (#4 X 1.0 [25.4] LONG MINIMUM SCREWS).
12. EXTERNAL VALVING REQUIRED.
11. RECOMMENDED ACCELERATION/DECELERATION RATE 3000 PPS/SEC.
10. MAXIMUM STEP RATE 500 PPS.
9. MAXIMUM STARTING/STOPPING STEP RATE 200 PPS.
8. DRIVE CURRENT 260-290 mA/PHASE (RMS).
6. RESISTANCE 11 OHMS PER PHASE.
5. CHOPPER DRIVE RECOMMENDED.
4. MOTOR TYPE: BIPOLAR.
3. MAXIMUM (RECOMMENDED) DISCHARGE HEAD: SEE TABLE
2. PUMPED VOLUME RANGE AND STEP INCREMENT: SEE TABLE
1. WETTED SURFACES: PEEK OR ACRYLIC (SEE PART NUMBER MATRIX) ZIRCONIA, UHMW PE.

NOTES:

PART NUMBER MATRIX

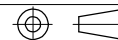
MAXIMUM DISCHARGE PRESSURE	PUMP VOL. RANGE	STEP INCREMENT	PORT HEAD MATERIAL	
			PEEK	ACRYLIC
30 PSIG	5-250 μ l	0.5 μ l	LPVX0502150BB	LPVX0502300BB
15 PSIG	15-750 μ l	1.5 μ l	LPVX0502200BB	LPVX0502350BB

-FMF-
THE LEE CO.
ESSEX, CT

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES [mm]
TOLERANCES:
.XX $\pm .015$ [0.38]
.XXX $\pm .005$ [0.13]
ANGLES $\pm 2^\circ$
INT CORNER R .01 [0.25] MAX

SURFACE FINISH #3
DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



DRAWN DKR 06-20-96
CHK'D JJB 02-27-01
APP'D BWH 02-27-01

MAT. SEE NOTE 1

H.T.

FINISH

TITLE PUMP-DWG-VAR VOL- $\phi 1.4$

THE LEE COMPANY
ESSEX, CT

SIZE B CODE IDENT. NO. ONZR4 DWG. NO. LPVX0400050B REV. C

SCALE: 1/1

SHEET 1 OF 1