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WINDING CONSTANTS *	UNITS	TOL	SYM	WDG A
DC RESISTANCE	OHMS	±12.5%	R	0.91
VOLTAGE @ I _p	VOLTS	NOMINAL	V _p	11.8
CURRENT @ I _p	AMPERES	NOMINAL	I _p	13.0
FORCE SENSITIVITY	LB/AMP	±10%	K _F	0.77
BACK EMF CONSTANT	VOLTS/(FT/SEC)	±10%	K _B	1.04
INDUCTANCE	MICRO-HENRY	±30%	L	160

D LINEAR ACTUATOR PARAMETERS *

PARAMETERS *	UNITS	SYM	VALUE
PEAK FORCE **	LB	F _p	10.0
CONTINUOUS STALL FORCE ***	LB	F _{CS}	3.85
ACTUATOR CONSTANT	LB/√WATT	K _A	0.81
ELECTRICAL TIME CONSTANT	MICRO-SEC	T _E	178
MECHANICAL TIME CONSTANT	MILLI-SEC	T _M	7.08
POWER I ² R @ I _p	WATTS	P _p	154
STROKE	INCH		2.25
CLEARANCE ON EACH SIDE OF COIL	INCH		0.015
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{th}	8.5
MAX ALLOWABLE TEMP OF COIL	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	LBS	WT _C	D.2
WEIGHT OF FIELD ASSEMBLY	LBS	WT _F	3.0

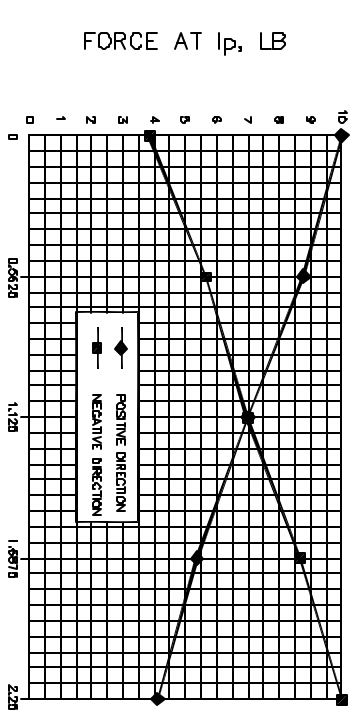
* @ FULLY OUT POSITION
 ** 10 SEC @ 25°C AMBIENT, 155°C COIL TEMP
 *** 25°C AMBIENT, 155°C COIL TEMP

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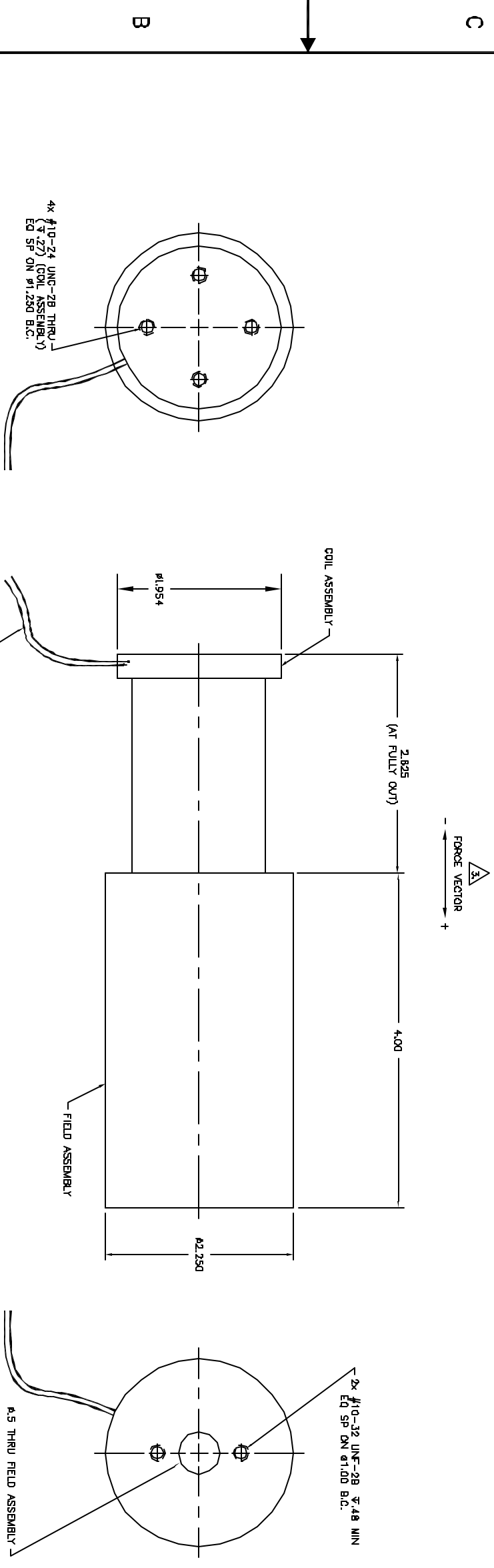
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ITER	ECN NO.	DESCRIPTION	DRN	APP'D	DATE
A	010716R	INITIAL RELEASE	RG	MG	07/24/01
B	01097B	UPDATE PARAMETERS	RG	MG	08/09/01
C	011353	UPDATE PARAMETERS	RLE	MG	11/08/01



STROKE, in



- △ A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
- MECHANICAL OVERTRAVEL IN THE POSITIVE (+) DIRECTION IS .050 MINIMUM.
 - INTERPRET DIMENSIONS & TOLERANCES PER ANSI Y14.5M-1982.
- NOTES: UNLESS OTHERWISE SPECIFIED

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LA23-55-001A

BEI KIMCO MAGNETICS DIVISION
 SAN MARCOS, CA 92069

LINEAR ACTUATOR

THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED	TOLERANCES	ANGULAR
	-ALL DIMENSIONS ARE IN INCHES -BREAK SHARP EDGES AND MAX SURFACE IRREGULARITIES .015 -MAX FILLET RADIUS	DECIMALS X .01 XX .005 XXX .001	SP. 30'

DRWING	DATE	TITLE	SCALE	PERSON NO.	DWG NO.	REV
R. GUERRERO	07/24/01	LINEAR ACTUATOR	1/1	55789	LA23-55-001A	B
M. GODKIN	07/24/01					

P.A.F.