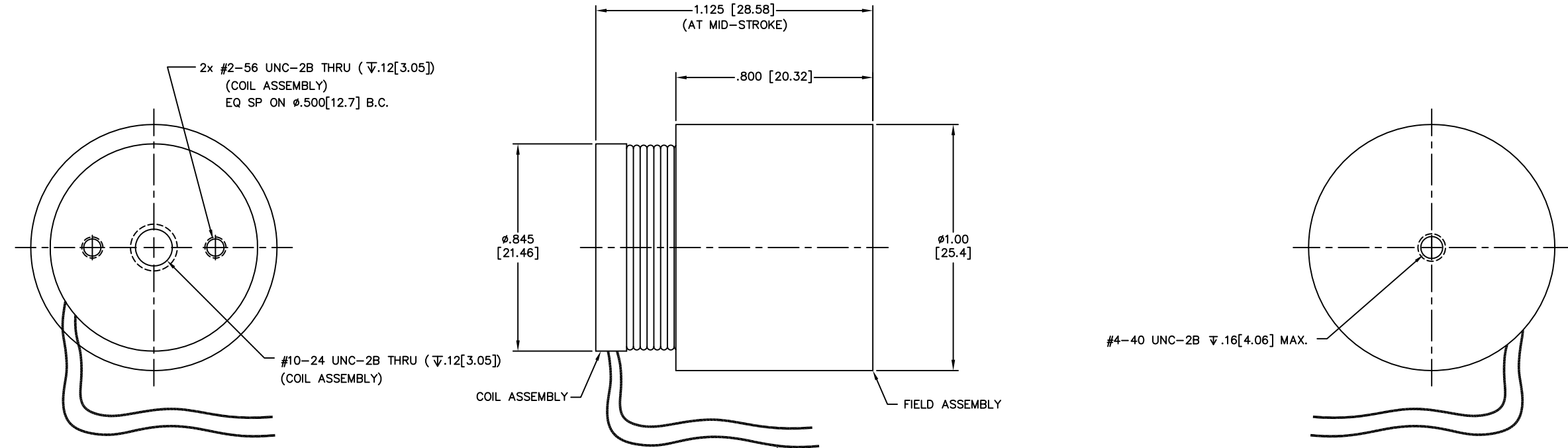
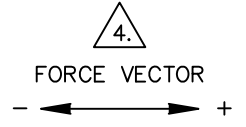
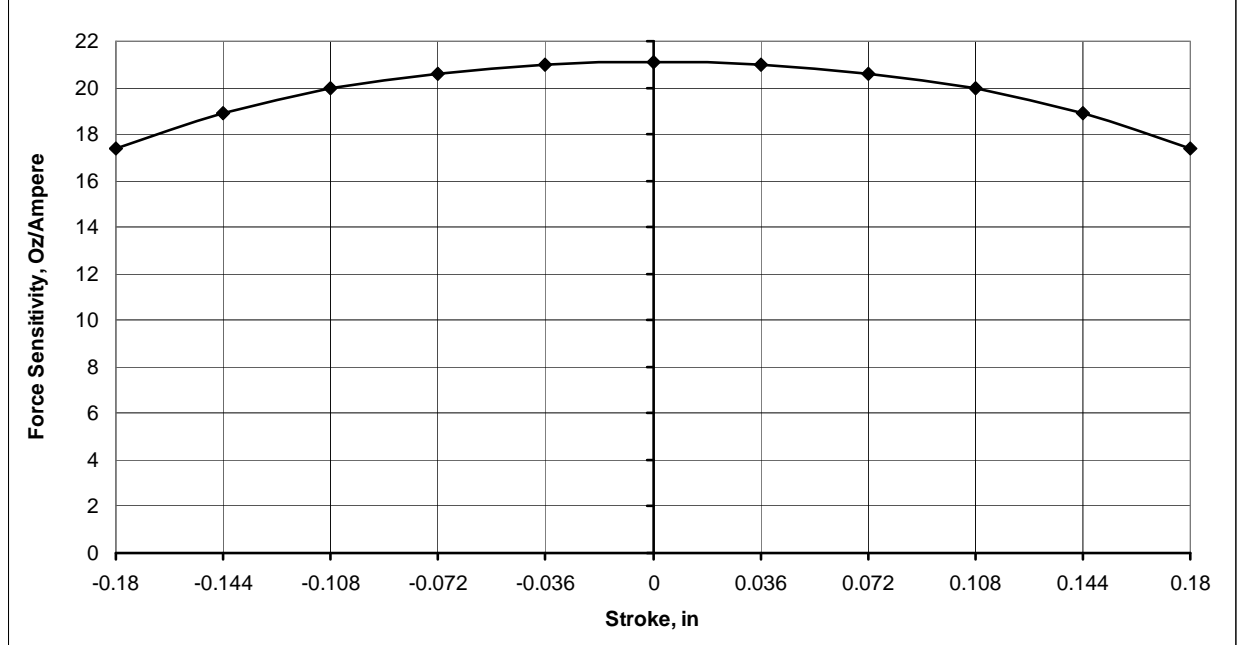


WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG Z
DC RESISTANCE	OHMS	±12.5%	R	11.0
VOLTAGE @ F _P	VOLTS	NOMINAL	V _P	25.1
CURRENT @ F _P	AMPERES	NOMINAL	I _P	2.28
FORCE SENSITIVITY	OZ/AMP	±10%	K _F	21.1
	N/AMP	±10%		5.87
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	1.79
	V/M/SEC	±10%		5.87
INDUCTANCE ****	MILLI-HENRY	±15%	L	3.05

LTR	ECO NO.	DESCRIPTION	DRN	APP'D	DATE
E	080225	ADD CHART, UPDATE DATA, RoHS	JWT	MG	04/18/06
F	080406	UPDATED THD HOLES CALL-OUT	RG	MG	10/03/08

ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	OZ	F _P	48
	N		13.3
CONTINUOUS STALL FORCE ***	OZ	F _{CS}	17.8
	N		4.95
ACTUATOR CONSTANT	OZ/√WATT	K _A	6.36
	N/√WATT		1.77
ELECTRICAL TIME CONSTANT	MICRO-SEC	τ _E	277
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	4.43
POWER I ² R @ F _P	WATTS	P _P	57.2
STROKE	± INCHES		0.180
	± MM		4.57
CLEARANCE ON EACH SIDE OF COIL	IN		0.015
	MM		0.38
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	11.3
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT _C	0.49
	G		13.89
WEIGHT OF FIELD ASSEMBLY	OZ	WT _F	2.0
	G		56.7

* 25°C AMBIENT TEMPERATURE
 ** 10 SECONDS AT 25°C AMBIENT & 155°C COIL TEMP
 *** 25°C AMBIENT & 155°C WINDING TEMPERATURE
 **** MEASURED AT 1000 Hz



5. INSULATION RESISTANCE IS 100 MEGOHMS AT 500 VDC.

4. A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.

3. ALL ABBREVIATIONS IAW ASME Y14.38.

2. INTERPRET DRAWING IAW ASME Y14.100.

1. INTERPRET DIMENSIONING AND TOLERANCING IAW ASME Y14.5M-1994.

NOTES: UNLESS OTHERWISE SPECIFIED

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THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
 -ALL DIMENSIONS ARE IN INCHES
 -BREAK SHARP EDGES .015 MAX.
 -SURFACE ROUGHNESS √63
 -DIMENSIONS APPLY AFTER FINISH
 -MAX FILLET R .010
 -DIAMETERS SHALL NOT EXCEED A ROUNDTOP OF .005 FIM

TOLERANCES:
 DECIMALS ANGULAR
 .X ± .03 ±0° 30'
 .XX ± .01
 .XXX ± .005
 DO NOT SCALE DRAWING

BEI KIMCO MAGNETICS DIVISION
 VISTA, CA 92081

RoHS

DRAWN	BUTTERFIELD	DATE	05/23/97	TITLE	LINEAR ACTUATOR						
MECH CHECK	STHAL	DATE	02/24/05	SIZE	D	FSCM NO.	55789	DWG NO.	LA10-12-027A	REV	F
APPD	MARCOS	DATE	05/23/97	FILE NO.	L\TOP LEV\LA\			SCALE:	NONE	SHEET	1 OF 1