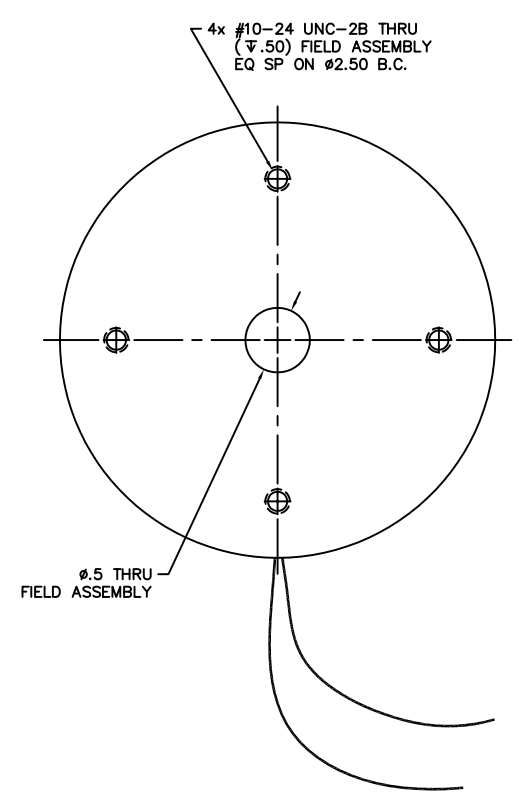
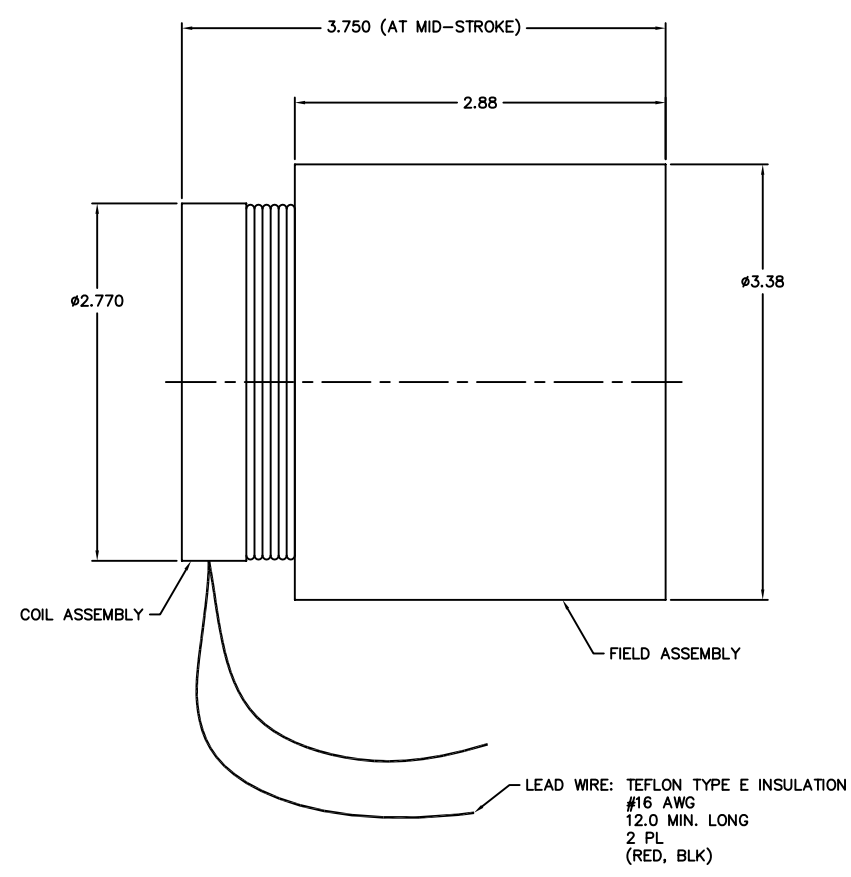
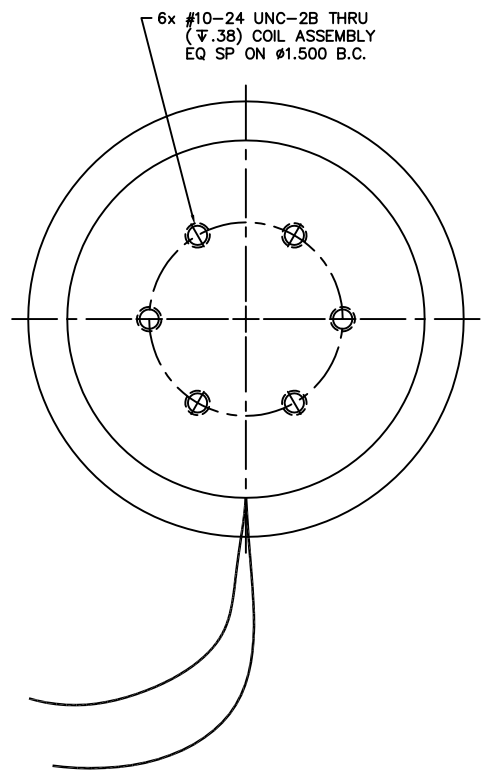
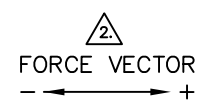
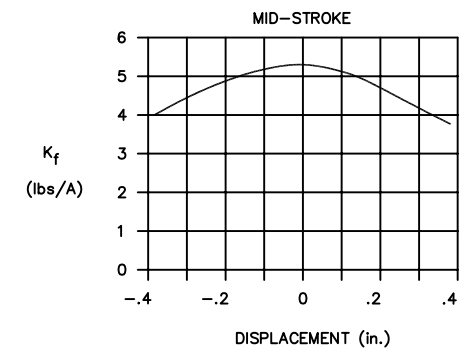


WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	1.4
VOLTAGE @ F _p	VOLTS	NOMINAL	V _p	25.9
CURRENT @ F _p	AMPERES	NOMINAL	I _p	18.5
FORCE SENSITIVITY	LB/AMP	±10%	K _F	5.4
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	7.32
INDUCTANCE ****	MILLI-HENRY	±30%	L	1.9

ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	LB	F _p	100.0
CONTINUOUS STALL FORCE ***	LB	F _{CS}	28.6
ACTUATOR CONSTANT	LB/√WATT	K _A	4.56
ELECTRICAL TIME CONSTANT	MICRO-SEC	τ _E	1267.0
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	1.6
POWER I ² R @ F _p	WATTS	P _p	480.0
STROKE	± INCHES		0.375
CLEARANCE ON EACH SIDE OF COIL	IN		0.020
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	2.2
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	LB	WT _C	1.48
WEIGHT OF FIELD ASSEMBLY	LB	WT _F	4.8

* AT MID-STROKE & 25°C AMBIENT TEMPERATURE
 ** 10 SECONDS AT 25°C AMBIENT & 155°C COIL TEMPERATURE
 *** 25°C AMBIENT & 155°C COIL TEMPERATURE
 **** MEASURED AT 1000 Hz

LTR	ECO NO.	DESCRIPTION	DRN	APP'D	DATE
A	070321	UPDATE MEASURED VALUE TO 1000 Hz	SLM	MG	06/25/07
B	070871	ADDED RoHS LOGO	RG	MG	01/14/08



4. MECHANICAL OVERTRAVEL IN THE POSITIVE (+) DIRECTION IS .015 MINIMUM.
 3. INSULATION RESISTANCE: 100 MEGOHMS MINIMUM AT 500 VDC.
 2. A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE NEGATIVE (-) DIRECTION.
 1. INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M-1994.
 NOTES: UNLESS OTHERWISE SPECIFIED

U.S. PATENT NO.
5,345,206

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

BEI KIMCO MAGNETICS DIVISION
VISTA, CA 92081

DRAWN N. FRENCH	DATE 05/22/98	TITLE LINEAR ACTUATOR
MECH CHECK McGHEE	DATE 06/25/07	
APP'D A. MORCOS	DATE 06/11/98	
FILE NO. P:\1\17XX\1734-002	SIZE C	FSCM NO. 55789
	DWG NO. LA34-37-000A	REV B
SCALE 1/1	SHEET 1 OF 1	

LA34-37-000A