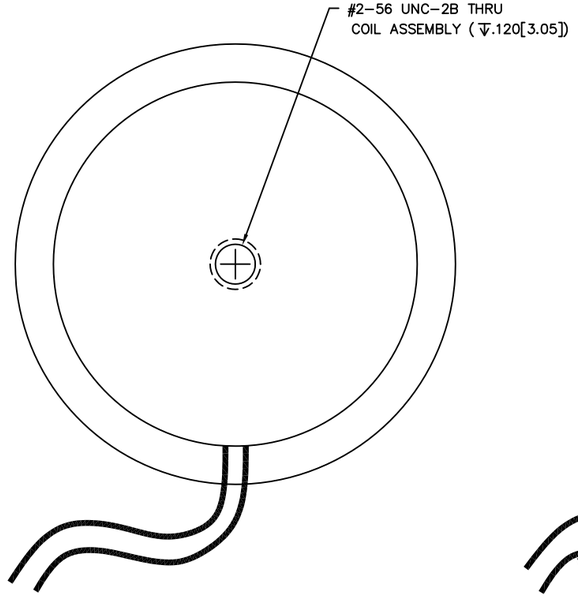
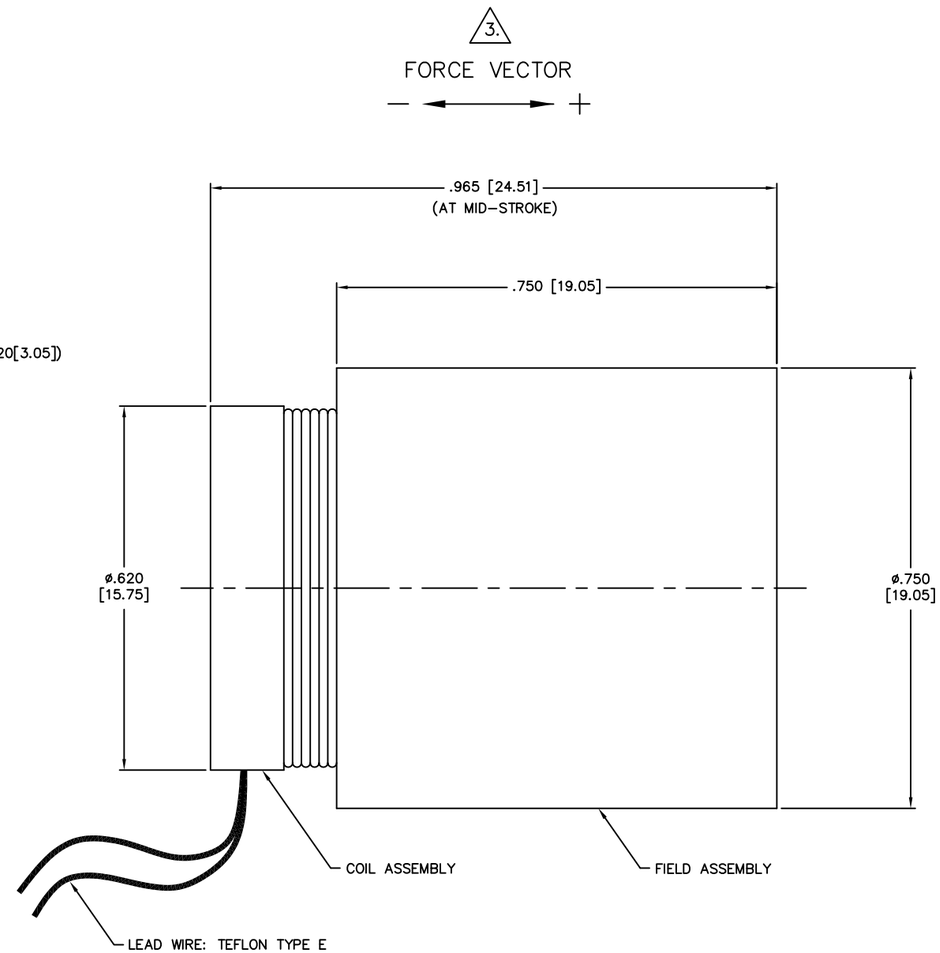
WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG A	WDG B	WDG C
DC RESISTANCE	OHMS	±12.5%	R	1.28	4.05	10.03
VOLTAGE @ F_P	VOLTS	NOMINAL	V_P	7.8	13.9	22.0
CURRENT @ F_P	AMPERES	NOMINAL	I_P	6.08	3.42	2.19
FORCE SENSITIVITY	OZ/AMP	±10%	K_F	3.95	7.02	10.97
	N/AMP	±10%		1.1	1.95	3.05
BACK EMF CONSTANT	V/FT/SEC	±10%	K_B	0.335	0.595	0.93
	V/M/SEC	±10%		1.1	1.95	3.05
INDUCTANCE ****	MICRO-HENRY	±15%	L	250	791	1959

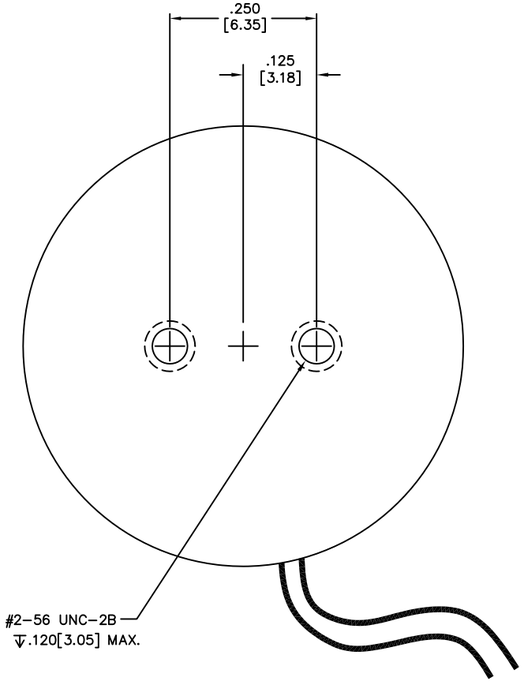
ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	OZ	F_P	24
	N		6.7
CONTINUOUS STALL FORCE ***	OZ	F_{CS}	7.09
	N		1.97
ACTUATOR CONSTANT	OZ/ $\sqrt{\text{WATT}}$	K_A	3.49
	N/ $\sqrt{\text{WATT}}$		0.97
ELECTRICAL TIME CONSTANT	MICRO-SEC	τ_E	195
MECHANICAL TIME CONSTANT	MILLI-SEC	τ_M	7.9
POWER I^2R @ F_P	WATTS	P_P	47.3
STROKE	± INCHES		0.080
	± MM		2.03
CLEARANCE ON EACH SIDE OF COIL	IN		0.015
	MM		0.38
THERMAL RESISTANCE OF COIL	°C/WATT	Θ_{TH}	21
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT_C	0.265
	G		7.51
WEIGHT OF FIELD ASSEMBLY	OZ	WT_F	0.95
	G		26.9

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

ZONE	REV	DCN NO.	DESCRIPTION	INITIALS	DATE	APPROVED
	D	041907	UPDATE PARAMETERS	WPB	05/12/04	SH
	E	060143	ADD RoHS LOGO	SLM	02/16/06	MG
	F	060603	UPDATE TO INCLUDE B & C WDG	RG	12/01/06	MG
	G	110251	UPDATE INDUCTANCE VALUES	SLM	11/14/11	MG







3. A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
2. DIMENSION IN BRACKETS ARE MILLIMETERS [MM] AND ARE FOR REFERENCE ONLY.
1. INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M-1994.

NOTES: UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED:
- ALL DIMENSIONS ARE IN INCHES
- BREAK SHARP EDGES .015 MAX.
- SURFACE ROUGHNESS √125
- 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
SAN MARCOS, CA 92069

DRAWN: N. FRENCH	DATE: 12/03/98	TITLE: LINEAR ACTUATOR
MECH CHECK: McGHEE	02/16/06	
APPD: A. MORCOS	12/07/98	SIZE: D; FSCM NO.: 55789; DWG NO.: LA08-10-000(LTR); REV: G
FILE NO.: L:\TOP LEVEL\LA\		SCALE: 8/1; SHEET 1 OF 1

RoHS

LA08-10-000(LTR) G