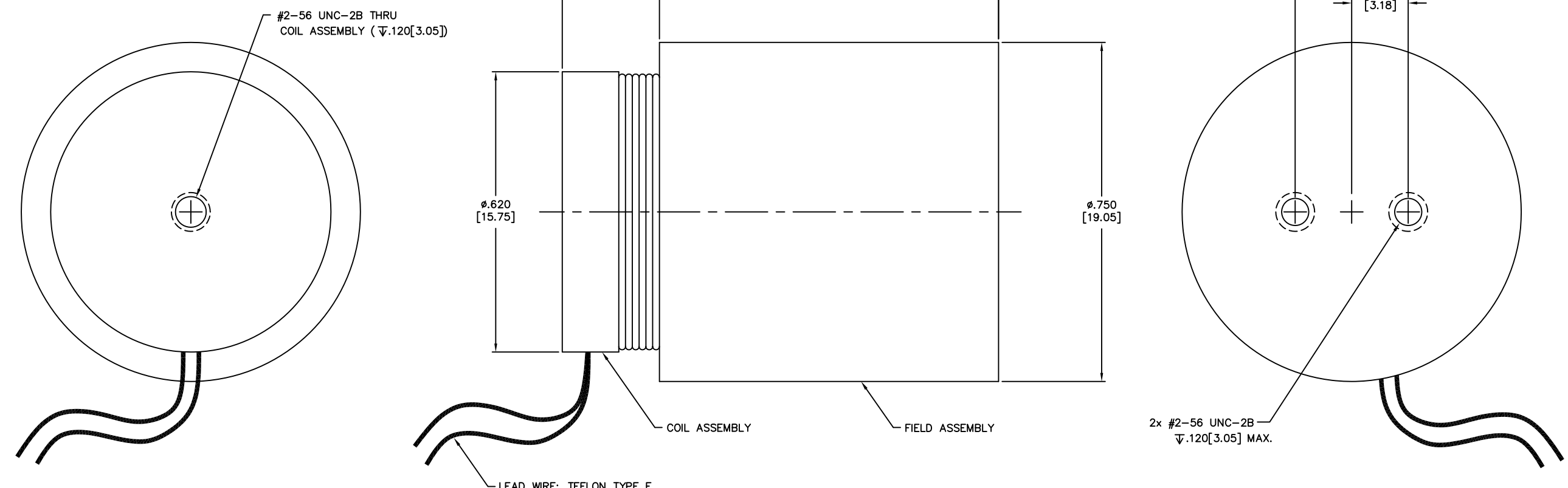
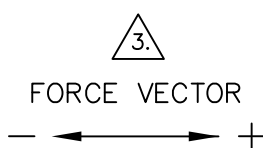


WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG A	WDG B	WDG C
DC RESISTANCE	OHMS	±12.5%	R	1.28	4.05	10.03
VOLTAGE @ F <sub>p</sub>	VOLTS	NOMINAL	V <sub>p</sub>	7.8	13.9	22.0
CURRENT @ F <sub>p</sub>	AMPERES	NOMINAL	I <sub>p</sub>	6.08	3.42	2.19
FORCE SENSITIVITY	OZ/AMP	±10%	K <sub>F</sub>	3.95	7.02	10.97
	N/AMP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

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

ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	OZ	F <sub>P</sub>	24
	N		6.7
CONTINUOUS STALL FORCE ***	OZ	F <sub>CS</sub>	7.09
	N		1.97
ACTUATOR CONSTANT	OZ/√WATT	K <sub>A</sub>	3.49
	N/√WATT		0.97
ELECTRICAL TIME CONSTANT	MICRO-SEC	τ <sub>E</sub>	195
MECHANICAL TIME CONSTANT	MILLI-SEC	τ <sub>M</sub>	7.9
POWER I <sup>2</sup> R @ F <sub>p</sub>	WATTS	P <sub>P</sub>	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 <sub>TH</sub>	21
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT <sub>C</sub>	0.265
	G		7.51
WEIGHT OF FIELD ASSEMBLY	OZ	WT <sub>F</sub>	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



LEAD WIRE: TEFLON TYPE E  
 #28 AWG  
 12.0[305] MIN. LONG  
 2 PL  
 (RED, BLK)

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

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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

RoHS

**BEI KIMCO MAGNETICS DIVISION**  
 SAN MARCOS, CA 92069

DRAWN: N. FRENCH DATE: 12/03/98 TITLE: LINEAR ACTUATOR  
 MECH CHECK: McGHEE DATE: 02/16/06  
 APPD: A. MORCOS DATE: 12/07/98  
 FILE NO.: L:\TOP LEVEL\LA\

SIZE: D FSCM NO.: 55789 DWG NO.: LA08-10-000(LTR) REV: G  
 SCALE: 8/1 SHEET: 1 OF 1

LA08-10-000(LTR) G