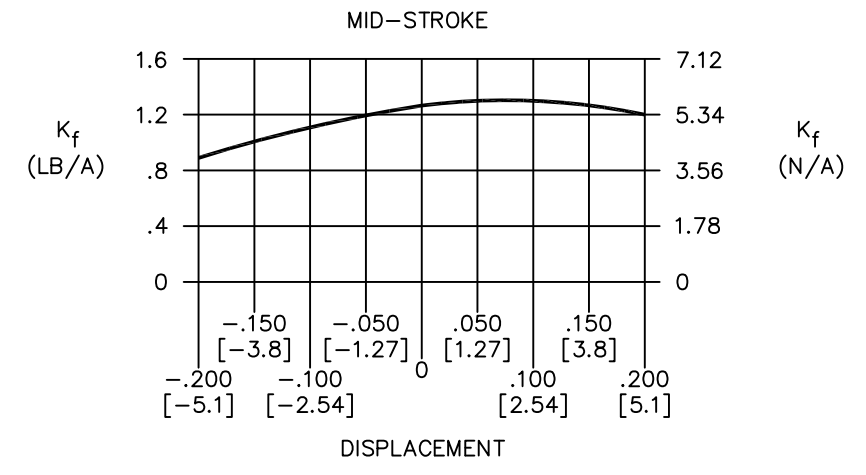


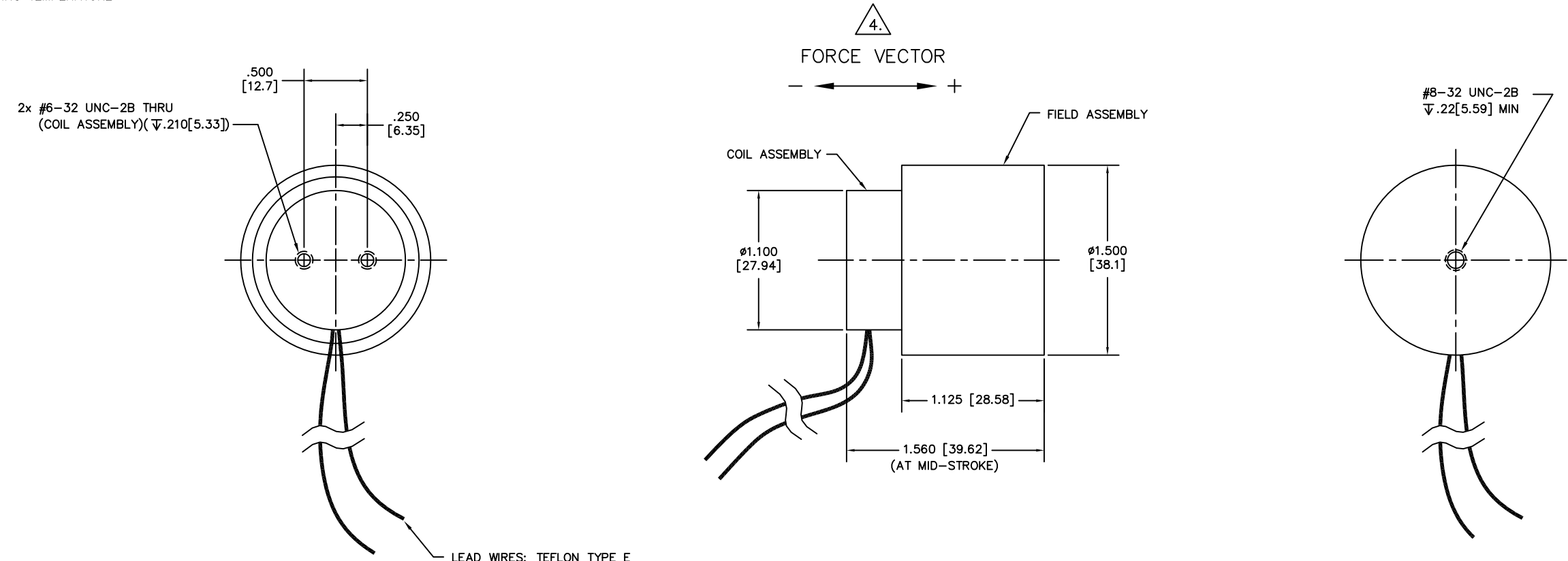
WINDING CONSTANTS	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	±12.5%	R	4.4
VOLTAGE @ F _p	VOLTS	NOMINAL	V _p	26.2
CURRENT @ F _p	AMPERES	NOMINAL	I _p	5.85
FORCE SENSITIVITY	LB/AMP	±10%	K _f	1.30
	N/AMP	±10%		5.78
BACK EMF CONSTANT	V/FT/SEC	±10%	K _B	1.76
	V/M/SEC	±10%		5.77
INDUCTANCE	MILLI-HENRY	±30%	L	1.4

LTR	ECO NO.	DESCRIPTION	DRN	APP'D	DATE
G	130300	UPDATE FORMAT, ADDED RoHS LOGO	RG	MG	09/16/13

ACTUATOR PARAMETERS	UNITS	SYMBOL	VALUE
PEAK FORCE *	LB	F _p	7.6
	N		33.8
CONTINUOUS STALL FORCE **	LB	F _{cs}	2.6
	N		11.6
ACTUATOR CONSTANT	LB/√WATT	K _A	0.62
	N/√WATT		2.8
ELECTRICAL TIME CONSTANT	MILLI-SEC	τ _E	318
MECHANICAL TIME CONSTANT	MILLI-SEC	τ _M	3.3
POWER I ² R @ F _p	WATTS	P _p	153
STROKE	± INCHES		0.200
	± MM		5.08
CLEARANCE ON EACH SIDE OF COIL	IN		0.020
	MM		0.51
THERMAL RESISTANCE OF COIL	°C/WATT	θ _{TH}	5.0
MAX. ALLOWABLE COIL TEMP.	°C	TEMP	155
WEIGHT OF COIL ASSEMBLY	OZ	WT _C	0.88
	G		24.95
WEIGHT OF FIELD ASSEMBLY	OZ	WT _F	6.9
	G		195.61



* 10 SECONDS AT 25°C AMBIENT, 155°C COIL TEMP
 ** 25°C AMBIENT & 155°C WINDING TEMPERATURE



LEAD WIRES: TEFLON TYPE E
 #26 AWG
 12.0[305] MIN LONG
 2 PL
 (RED, BLACK)

- MECHANICAL OVERTRAVEL IN POSITIVE (+) DIRECTION IS .015[.38] MINIMUM.
- INSULATION RESISTANCE IS 100 MEGOHMS MINIMUM AT 500 VDC.
- A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.
- ALL ABBREVIATIONS IAW ASME Y14.38.
- INTERPRET DRAWING IAW ASME Y14.100.
- 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
 .XX ± .03 ±0° 30'
 .XX ± .01
 .XXX ± .005

DO NOT SCALE DRAWING

RoHS

BEI KIMCO MAGNETICS DIVISION
 VISTA, CA 92081

DRAWN FRENCH	DATE 07/01/96	TITLE LINEAR ACTUATOR	
MECH CHECK STAHL	DATE 12/20/04	SIZE D	FSCM NO. 55789
APPD MARCOS	DATE 07/01/96	DWG NO. LA15-16-020A	REV G
FILE NO. L\TOP\LA\	SCALE: NONE	SHEET 1 OF 1	

LA15-16-020A G