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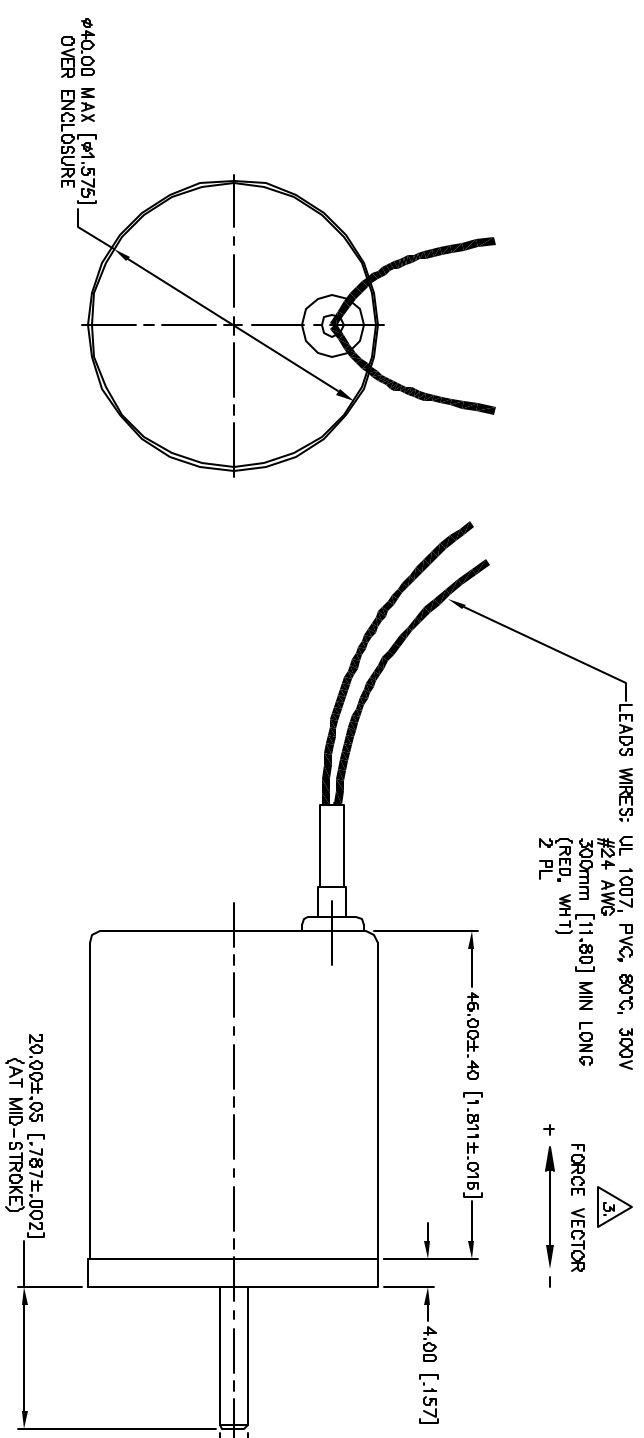
WINDING CONSTANTS *	UNITS	TOL	SYMBOL	WDG A
DC RESISTANCE	OHMS	$\pm 12.5\%$	R	3.3
VOLTAGE @ F <sub>p</sub>	VOLTS	NOMINAL	V <sub>p</sub>	24.4
CURRENT @ F <sub>p</sub>	AMPERES	NOMINAL	I <sub>p</sub>	7.4
FORCE SENSITIVITY	N/AMP	$\pm 10\%$	K <sub>F</sub>	8.1
BACK EMF CONSTANT	V/M/SEC	$\pm 10\%$	K <sub>B</sub>	1.82
INDUCTANCE ****	V/FT/SEC	$\pm 10\%$	K <sub>9</sub>	2.47
	MILLI-HENRY	$\pm 15\%$	L	0.79

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ACTUATOR PARAMETERS *	UNITS	SYMBOL	VALUE
PEAK FORCE **	N	F <sub>p</sub>	60
	LB		13.5
CONTINUOUS STALL FORCE ***	N	T <sub>CS</sub>	17.0
	LB		3.82
ACTUATOR CONSTANT	N/-WATT	K <sub>A</sub>	4.48
ELECTRICAL TIME CONSTANT	LB/WATT	T <sub>e</sub>	1.0
	MILLI-SEC		0.24
MECHANICAL TIME CONSTANT	MILLI-SEC	T <sub>m</sub>	2.0
POWER I <sub>R</sub> @ F <sub>p</sub>	WATTS	P <sub>p</sub>	181.0
	± MM		3.0
STROKE	± IN		0.118
	MM		0.46
CLEARANCE ON EACH SIDE OF COIL	INCHES		0.078
HEAT SINK RESISTANCE OF COIL	°C/WATT	θ <sub>JH</sub>	6.0
MAX ALLOWABLE COIL TEMP	°C	T <sub>MP</sub>	155
WEIGHT OF COIL ASSEMBLY	G	WT <sub>C</sub>	40 MAX
	OZ		1.41 MAX
TOTAL WEIGHT	G	WT <sub>T</sub>	270
	OZ		9.5

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

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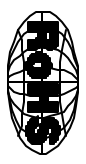
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△ A POSITIVE (+) VOLTAGE APPLIED TO THE RED LEAD WILL PRODUCE A FORCE ON THE COIL ASSEMBLY IN THE POSITIVE (+) DIRECTION.

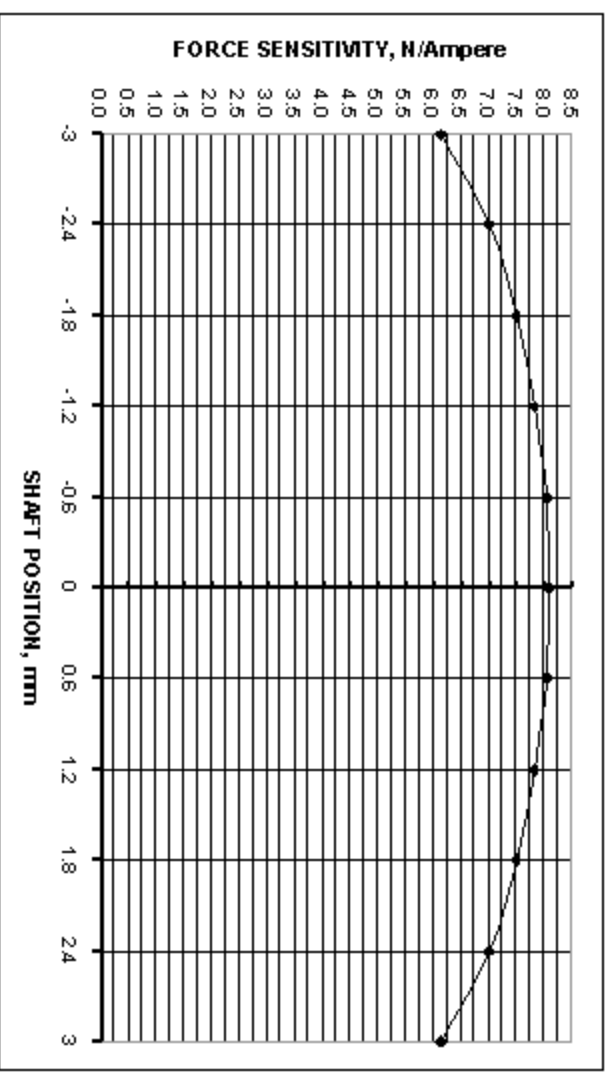
1. INTERPRET DIMENSIONS & TOLERANCES PER ASME Y14.5M-1994.  
 2. DIMENSION IN BRACKETS ARE INCHES [IN.] AND ARE FOR REFERENCE ONLY.  
 NOTES: UNLESS OTHERWISE SPECIFIED

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



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LT#	ED#	NO.	DESCRIPTION	DRN	APP'D	DATE
D	030966		CORRECTED LEAD WIRE COLGERS	RG	SH	10/28/03
E	050752		UPDATE PARAMETERS	RG	MG	11/11/05
F	060923		ROHS COMPLIANT	JWT	MG	12/11/06

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METRIC DRAWING

**BEI KIMCO MAGNETICS DIVISION**  
 VISTA, CA 92081

LINEAR ACTUATOR

THIRD ANGLE PROJECTION	UNLESS OTHERWISE SPECIFIED	DATE	TITLE
φ	ALL DIMENSIONS ARE IN INCHES - BREAK SHARP EDGES AND MAX SURFACE ROUGHNESS -16 -DIMENSIONS APPLY AFTER FINISH -MAX FILET RADIUS	04/22/02	LINEAR ACTUATOR
TERMINALS	TERMINALS	04/26/02	
DECIMALS	ANGULAR		
X ± .005	40° 30'		
XX ± .003			
XXX ± .003			
DO NOT SCALE DRAWING			
DRAWN	GUERRERO		
CHECKED	ELLOTT		
APPROVED	M. GODKIN		
FILE NO.	L\TOP\LA\		
SIZE	FSO# NO.	DWG NO.	REV
D	55789	LA16-27-000A	F
SCALE	2/1		
SHEET	1 OF 1		

LA16-27-000A F B

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