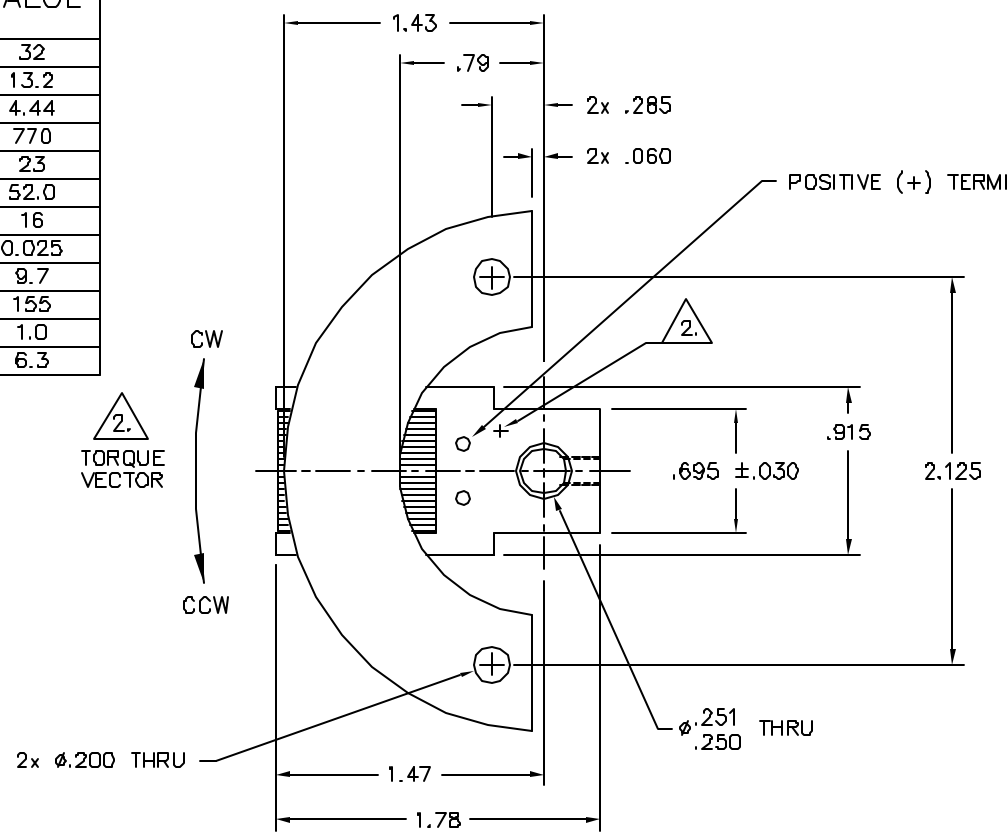
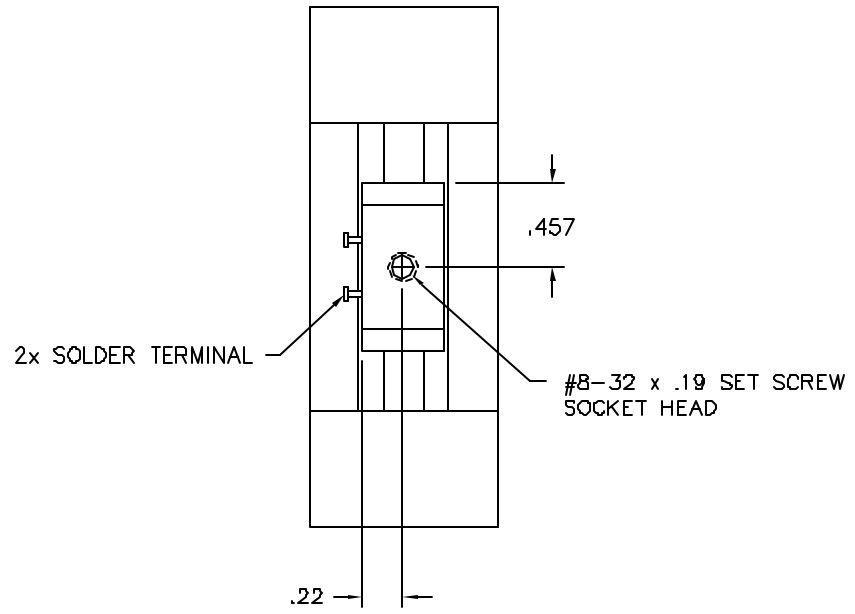
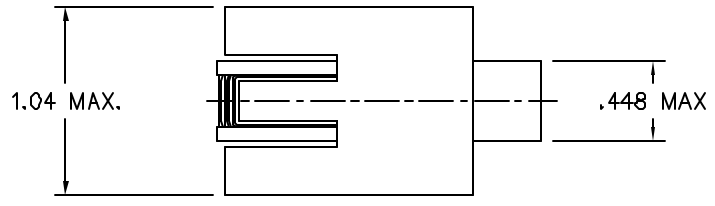
LTR	ECO NO.	DESCRIPTION	DRN	APP'D	DATE
G	045103	MATCH REV. TO AVANTE	JJC	MG	12/16/04
H	060820	RoHS CONVERSION	JWT	SH	10/30/06

WINDING CONSTANTS	UNITS	SYM	WDG A	TOL
DC RESISTANCE	OHMS	R	13.0	±12.5%
VOLTAGE @ TORQUE 32 OZ-IN	VOLTS	Vc	26.0	NOMINAL
CURRENT @ TORQUE 32 OZ-IN	AMPERES	Ic	2.00	NOMINAL
TORQUE SENSITIVITY @ MID-STROKE	OZ-IN/AMP	Kt	16	±10%
BACK EMF CONSTANT @ MID-STROKE	VOLTS/(RAD/SEC)	Kb	0.11	±10%
INDUCTANCE	MILLI-HENRY	L	10.0	±30%
ROTARY ACTUATOR PARAMETERS	**UNITS**	**SYM**	**VALUE**	
PEAK TORQUE *	OZ-IN	Tp	32	
CONTINUOUS STALL TORQUE **	OZ-IN	Tcs	13.2	
ACTUATOR CONSTANT	OZ-IN/$\sqrt{WATT}$	Ka	4.44	
ELECTRICAL TIME CONSTANT	MICRO-SEC	Te	770	
MECHANICAL TIME CONSTANT	MILLI-SEC	Tm	23	
POWER I^2R @ TORQUE 32 OZ-IN	WATTS	P	52.0	
STROKE (ANGULAR)	± DEGREES		16	
CLEARANCE ON EACH SIDE OF COIL	IN		0.025	
THERMAL RESISTANCE OF COIL	°C/WATT	θth	9.7	
MAX ALLOWABLE TEMP OF COIL	°C	TEMP	155	
WEIGHT OF COIL ASSEMBLY	OZ	WTc	1.0	
TOTAL WEIGHT	OZ	WTt	6.3	

* 10 SEC @ 25°C AMBIENT, 155°C COIL TEMP
** 25°C AMBIENT, 155°C COIL TEMP







RoHS

2. A POSITIVE (+) VOLTAGE APPLIED TO THE POSITIVE (+) TERMINAL WILL PRODUCE A TORQUE ON THE COIL ASSEMBLY IN THE CLOCKWISE (CW) DIRECTION.

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 √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: JDM	DATE: 04/10/90	TITLE: ROTARY ACTUATOR
MECH CHECK: THOMPSON	10/0/06	
APPD: ACM	04/13/90	
FILE NO.: \TOP\RA\RA29-11-002A		SIZE: B; FSCM NO.: 55789; DWG NO.: RA29-11-002A; REV: H
		SCALE: 1/1; SHEET: 1 OF 1