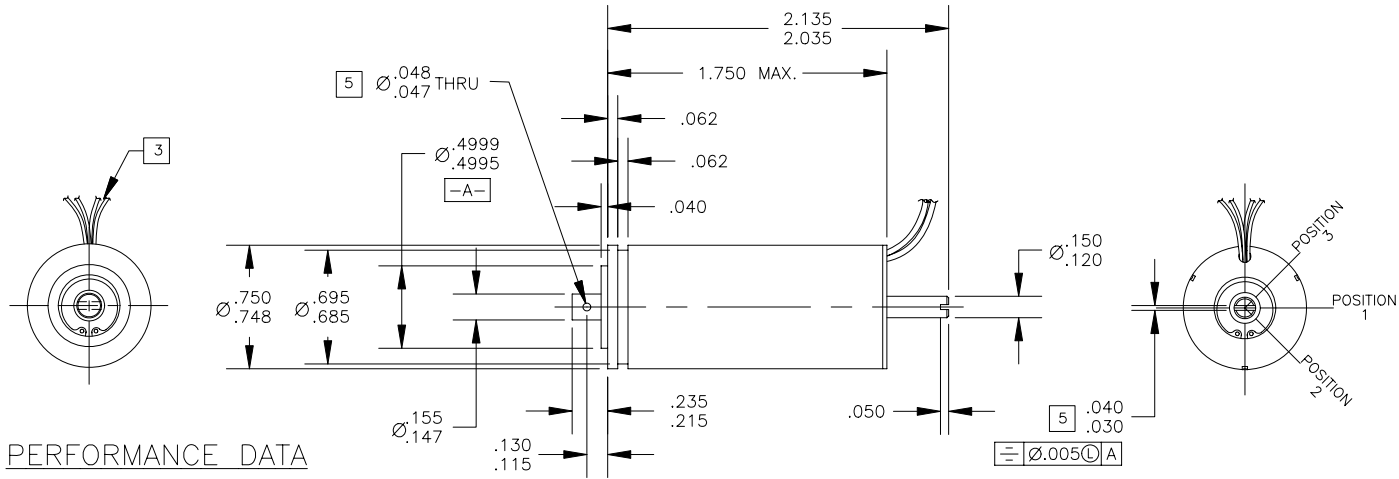


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REVISION HISTORY					
ZONE	REV	DESCRIPTION	E.C.O. NO.	DATE	APPROVED
	A	PRODUCTION RELEASE	41929	02/11/05	G.L.
	B	REVISED PER ECO	42004		



PERFORMANCE DATA

VOLTAGE (VOLTS DC).....28
 DC RESISTANCE (OHMS @25°C).....60 - 72
 INDUCTANCE (mH).....7.5 ±10% [4]
 STEP ANGLE (DEGREES).....45 ±15
 INPUT CURRENT PER PHASE (A).....0.452 ±10%
 STARTING VOLTAGE (VDC).....14.5
 STALL TORQUE (OZ.-IN.).....1.4 MIN
 DETENT TORQUE (OZ.-IN.).....0.65 MIN
 DETENT TORQUE @.5° FROM NULL (OZ.-IN.)...0.12 MIN

DIRECTION OF STEP: PER CHART WHEN SWITCHED AS FOLLOWS WHEN VIEWED FROM LEAD EXIT SIDE OF MOTOR:

SHAFT STEP	COLOR			
	WHT/BLU	WHT/GRN	WHT/ORN	
3 POSITIONS	0°	+	0	0
	45°CW	2	0	+
	45°CCW	3	0	0

WHT TO -RETURN

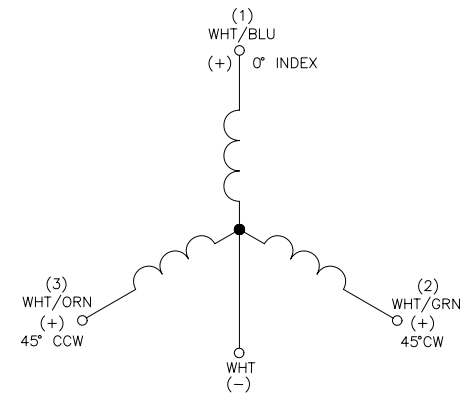
- 6. BAG AND TAG UNIT WITH: MODEL 8KA1-1, BOEING P/N 4949257-001_(REV) AND SERIAL NO. _____
- [5]. THE THRU HOLE AND SLOT AXES ARE PARALLEL WITHIN 2°.
- [4]. THE INDUCTANCE READING IS TAKEN BETWEEN EACH PAIR OF LEADS WITH ROTOR AT ACTUATED POSITIONS.
- [3]. LEADWIRES: 28 AWG, FLUOROPOLYMER, ETFE PER MIL-W-22759/33 (SCGMS 19050) 30 INCHES MINIMUM IN LENGTH FROM POINT OF EXIT.
- 2. THIS IS A CAD GENERATED DRAWING, DO NOT REVISE MANUALLY.
- 1. APPLICABLE STANDARDS/SPECIFICATIONS ASME Y14.5M-1994, DIMENSIONING AND TOLERANCING.

NOTES: UNLESS OTHERWISE SPECIFIED

GENERAL DATA

ROTOR INERTIA (gm-cm²).....1.6
 SHAFT RADIAL PLAY MEASURED 1/8 FROM BEARING WITH AN 8 OZ REVERSING RADIAL LOAD APPLIED 1/4 FROM BEARING (INCH) (MAX.).....0.0012
 SHAFT END PLAY MEASURED WITH A 16 OZ. REVERSING AXIAL LOAD (INCH).....0.003/0.005
 OPERATING TEMPERATURE RANGE (DEGREES C)....-50 TO +105
 WEIGHT (OUNCES) (MAX.).....2.35
 SETTLING TIME (MILLISECONDS).....580

CIRCUIT DIAGRAM



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: DECIMALS ANGLES FRACTIONS XX ±.01 ± 1/2° ± 1/64 XXX ±.005		CONTRACT NO.	
HOLE DIAMETER	TOLERANCE	APPROVALS	DATE
.0135 TO .125	+0.004/-0.001	DRAWN T.MARTINEZ	02/09/03
.126 TO .250	+0.005/-0.001	CHECKED T.M.	02/10/02
.251 TO .500	+0.006/-0.001	ENGR G.LEIBOVICH	02/10/02
.501 TO .750	+0.008/-0.001		
.751 TO 1.000	+0.010/-0.001		
1.001 TO 2.000	+0.012/-0.001		
APPLICATION	DO NOT SCALE DRAWING	ELEC. FILE	8KA1-1,B.DWG
TITLE		DUCOMMUN TECHNOLOGIES, INC. A SUBSIDIARY OF DUCOMMUN INCORPORATED 23301 SO. WILMINGTON AVE. • CARSON, CA 90745 • U.S.A.	
ACTUATOR 45° ANGLE, 3 POSITION		SIZE	C 108719
DWG NO.		8KA1-1	
REV.	B	WT	SHEET 1 OF 1

W.O. 970908