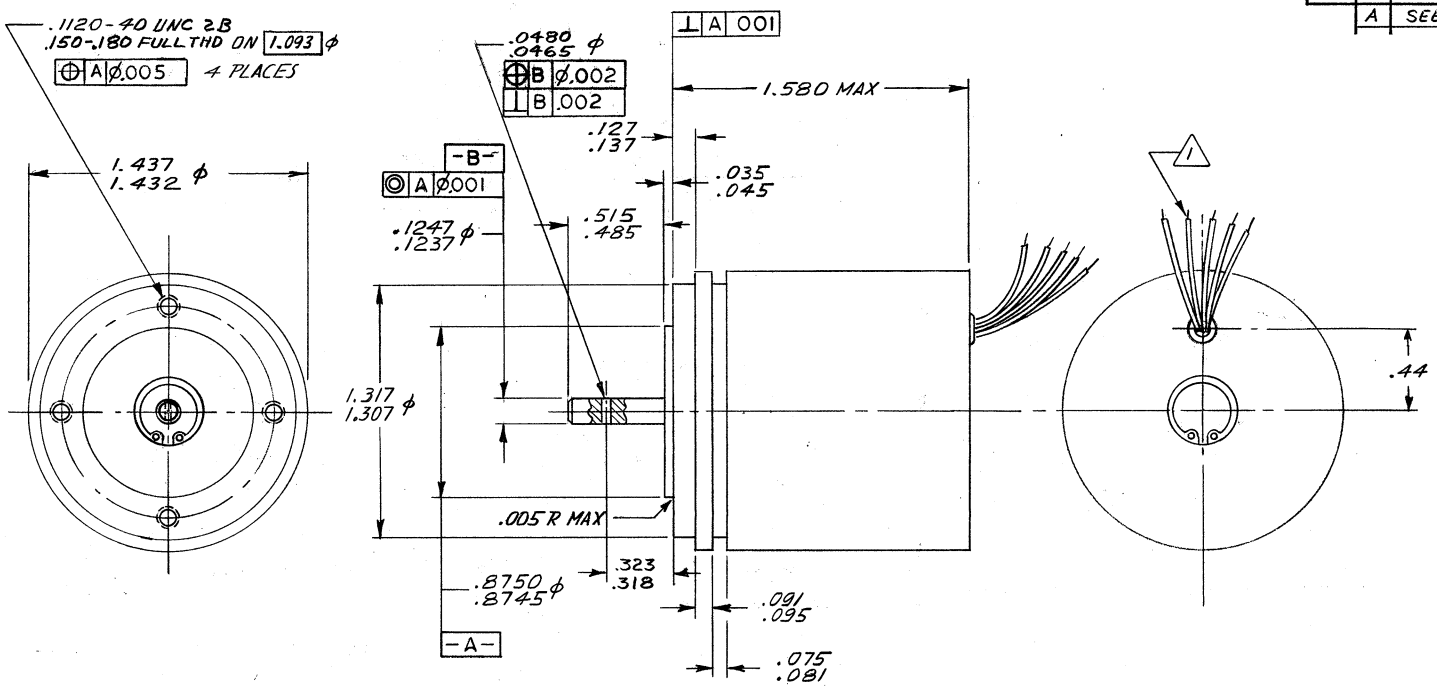
REVISIONS					
ZONE	LTR	DESCRIPTION	BY	DATE	APPROVED
	A	SEE ECO 31808	AP	11/12/75	



PERFORMANCE DATA

VOLTAGE (VDC) ____ 28
D.C. RESISTANCE (OHMS @ 25°C)
WITHOUT EXCITATION ____ 72±10%
STEP ANGLE (DEGREES) ____ 90°±1°

INPUT POWER (NOMINAL) ____ 11.0
STALL TORQUE (IN.-OZ) MIN ____ 3.2

DETENT TORQUE (IN.-OZ MIN) ____ 0.3
RUNNING TORQUE (IN.-OZ MIN) ____ 2.0
(WITH 5gm-cm² INERTIA LOAD)
INDUCTANCE (MH. REF) ____ 27

GENERAL DATA

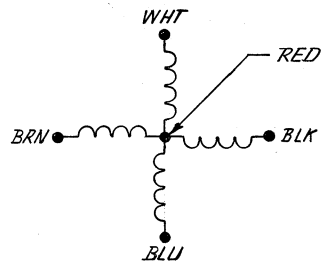
ROTOR MOMENT OF INERTIA (gm-cm²) ____ 5.2
SHAFT RADIAL PLAY MEASURED 1/8 FROM
BEARING WITH A 16 OZ REVERSING
RADIAL LOAD APPLIED 1/4 FROM BEARING ____ 0.001 MAX
SHAFT END PLAY MEASURED WITH
A 16 OZ REVERSING AXIAL LOAD ____ 0.0005-0.004
TEMPERATURE RANGE (DEGREES F) ____ -80° +198°
WEIGHT (OUNCES MAX) ____ 7.5

SEQUENTIAL STEPPING INFORMATION

UNIT TO STEP C.W. VIEWED
FROM MOUNTING END WHEN
STEPPED AS FOLLOWS:

STEP	LEAD	
1	WHT	RED
2	BLK	RED
3	BLU	RED
4	BRN	RED

CIRCUIT DIAGRAM



2. ALL VALUES ARE NOMINAL AT ROOM AMBIENT (25°C)
1 LEAD WIRES TO BE 28 AWG TEFLON COATED PER MIL-W-16878/6 (TYPE ET) 24 INCHES MINIMUM LENGTH (26 AWG ALT.)

NOTES: UNLESS OTHERWISE SPECIFIED,

QTY REQD	SYM	NOMENCLATURE OR DESCRIPTION	CODE IDENT NO.	PART OR IDENTIFYING NO.	SPECIFICATION	MATERIAL OR NOTE	ZONE	ITEM NO.

LIST OF MATERIAL

	15TA29		
NEXT ASSY	USED ON	NEXT ASSY	FINAL ASSY
APPLICATION		QTY REQD	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS DECIMALS ANGLES
± — .XX ± .03 ±0°30'
.XXX ± .010
32 ALL MACHINED SURFACES REF. USAS B46.1
MATERIAL:
FINISH:

CONTRACT NO.

		DATE
DRAWN	S. POHLEY	6-19-75
CHECK	P. Rafferty	7-11-75
ENGINEER		7/22/75
APPROVED		
APPROVED		
APPROVED		7/22/75
APPROVED		

AEI AMERICAN ELECTRONICS, INC.
T.M. 1600 E. VALENCIA DRIVE, FULLERTON, CALIF.

TITLE
STEPPER MOTOR, DIRECT CURRENT

SIZE	CODE IDENT NO.	DWG NO.	REV
C	89321	15TA29	A

SCALE 2:1 SHEET 1 OF 1

SIMILAR TO REPLACES W.O. NO. 58417-01

15TA29 A