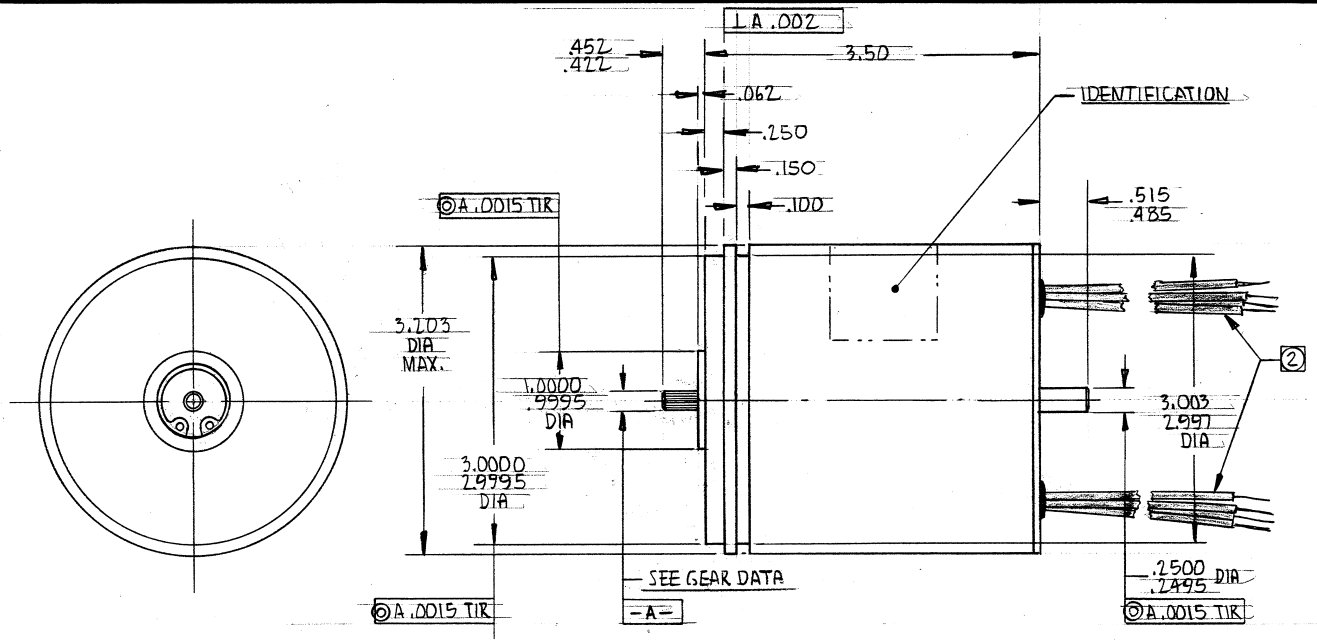
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
	NC	PRODUCTION RELEASE WITHOUT CHANGE PER ECO 33318 DG. 9/18/81	9/5/81	KW



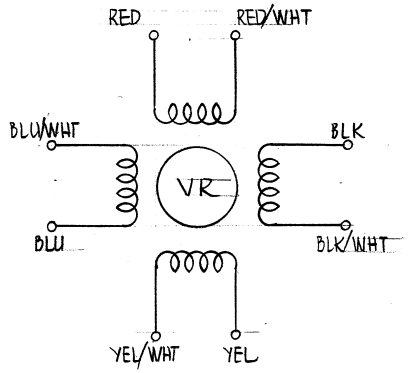
ELECTRICAL DATA

VOLTAGE (VOLTS DC)	30
CURRENT PER PHASE (AMPS) (MAX.)	7.2
D.C. RESISTANCE PER PHASE (OHMS) (MIN)	4.25
RUNNING TORQUE (IN-OZ)	19

GENERAL DATA

WEIGHT (OUNCES)	67
STALL TORQUE (IN-OZ)	40
ROTOR ENERTIA (GM-CM²)	18
TEMPERATURE RANGE (DEG.C)	-55 TO +125
STEP ANGLE	7.5 ± ½
STEPPING RATE (P.P.S.) REVERSIBLE	575
RESPONSE RATE WITH 85 GM-CM² INERTIA LOAD @ 30 VDC (P.P.S.)	400
SHAFT END PLAY CHECKED WITH A 16 OUNCE REVERSING AXIAL LOAD	0.0010 0.0045
SHAFT RADIAL PLAY MEASURED ⅛ FROM BEARING WITH A 16 OUNCE REVERSING RADIAL LOAD APPLIED ¼ FROM BEARING	0.001
SHAFT RUNOUT NOT TO EXCEED	0.001
NO LOAD SLEW RATE (PPS)	3000

CIRCUIT DIAGRAM



— GEAR DATA —	
CLASS OF GEAR AGMA	QUAL. 11
TOOTH TO TOOTH COMPOSITE ERROR	.0005
TOTAL COMPOSITE ERROR	.0007
NUMBER OF TEETH	15
DIAMETRAL PITCH	96
PRESSURE ANGLE	20°
PITCH DIAMETER	.1562
WHOLE DEPTH	.0249
ROOT DIAMETER	.1272
DIA OVER .018 DIA PINS	.1800/.1790
OUTSIDE DIAMETER	.1771/.1766

2 LEADWIRES - TEFLON 20 AWG PER MIL-W-16878/4 (TYPE E) ALL LEADWIRES TO BE 12 INCHES MIN LONG

1. ALL VALUES ARE NOMINAL AT ROOM AMBIENT (25°C ± 5°C)

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

NEXT ASSY	USED ON	NEXT ASSY	FINAL ASSY
APPLICATION		QTY REQD	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS DECIMALS ANGLES
± 1/64 .XX ± .01 ± .5°
.XXX ± .005

63 ALL MACHINED SURFACES REF. MIL-STD-10

MATERIAL:

FINISH:

CONTRACT NO.

		DATE
DRAWN	T MARTINEZ	3-25-69
CHECK		9/8/69
ENGINEER		4-2-69
APPROVED		
APPROVED		4/2/69
APPROVED		
APPROVED		

REPLACES SIMILAR TO W.O. NO.

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

TITLE
STEPPER MOTOR

SIZE	CODE IDENT NO.	DWG NO.	REV
C	89321	32SA1	NC

SCALE FULL SHEET 1 OF 1

32SA1 NC