

REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
NC		PRODUCTION RELEASE WITHOUT CHANGE PER ECD 33318	10/5/81	Kw

ELECTRICAL DATA

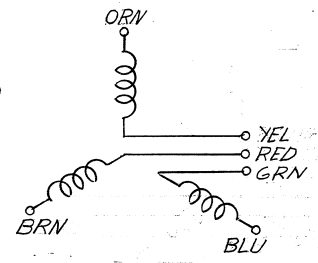
VOLTAGE (VOLTS D.C.)	24
** CURRENT (AMPS) (ORN TO BRN/BLU, TIED)	1.5
* D.C. RESISTANCE (OHMS) (PER PHASE)	8.3
RUNNING TORQUE (IN-OZ. @ 600 PPS)	4.5
DISPLACEMENT TORQUE (IN-OZ. @ 15°)	2B
STEP ANGLE (DEGREES)	15
STEPPING RATE (PPS)	
SLEW	1000
REVERSIBLE	600

\* UNEXCITED DCR  
 \*\* CURRENT, EXCITATION STABILIZED

GENERAL DATA

WEIGHT (OUNCES)	
ROTOR INERTIA (GM-CM <sup>2</sup> )	
TEMPERATURE RANGE (DEG. C)	-55 TO +100
SHAFT RADIAL PLAY MEASURED 1/8 FROM BEARING WITH AN 8 OZ REVERSING RADIAL LOAD APPLIED	
1/4 FROM BEARING	0.001
SHAFT END PLAY CHECKED WITH A 16 OUNCE REVERSING AXIAL LOAD	0.0010
	0.0045
SHAFT RUNOUT, NOT TO EXCEED	0.001

CIRCUIT DIAGRAM



	ORN	BLU	BRN
1	-	+	OPEN
2	-	+	-
3	OPEN	+	-
4	+	+	-
5	+	OPEN	-
6	+	-	-
7	+	-	OPEN
8	+	-	+
9	OPEN	-	+
10	-	-	+
11	-	OPEN	+
12	-	+	+

DIRECTION OF STEP:  
 CW WITH RED, GRN  
 YELLOW TIED TOGETHER  
 PULSE IS AS FOLLOWS:  
 (SEE TABLE)

LEADWIRES: TEFLON, 26 AWG PER MIL-W-16878/4 (TYPE E) LEADWIRES TO BE 12 INCHES LONG MIN.  
 1. ALL VALUES ARE NOMINAL AT ROOM AMBIENT (25°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								
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONS DECIMALS ANGLES $\pm 1/64$ .XX $\pm .01$ $\pm 5^\circ$ XXX $\pm .005$				CONTRACT NO.		AMERICAN ELECTRONICS, INC. t.k. 1600 E. VALENCIA DRIVE, FULLERTON, CALIF.		
ALL MACHINED SURFACES REF. MIL-STD-10				DRAWN J. SHIELDS DATE 12/9/69		TITLE		
MATERIAL:				CHECKED <i>ca. P. M. J. J. J.</i> DATE 1/1/69		STEPPER MOTOR		
FINISH:				ENGINEER <i>Adant</i> DATE 1-69		REV		
NEXT ASSY				APPROVED		SIZE CODE IDENT NO. DWG NO.		
USED ON				APPROVED		C 89321 30TAI		
NEXT ASSY				APPROVED		SCALE FULL SHEET 1 OF 1		
FINAL ASSY				APPROVED		REPLACES SIMILAR TO W.O. NO. 49016		
APPLICATION				QTY REQD				

30TAI NC

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