SPECIFICATIONS:			
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 1350 G-CM <sup>2</sup> (0.019 oz-in-sec <sup>2</sup> )NOM	1	
STEP ANGLE: 1.8°	DETENT TORQUE: 0.049 N-m (6.9 OZ-IN) MIN	1	
STEP TO STEP ACCURACY: ±.09 DEGREES 1, 2	INSULATION CLASS: B	1	
POSITIONAL ACCURACY: ±.09 degrees 1,3	BEARINGS: ABEC 3, DOUBLE SHIELDED		
HYSTERESIS: N/A %	TEMP. RISE: 80 °C MAX.	]	
SHAFT RUNOUT: 0.05 mm T.I.R.	OPERATING TEMP. RANGE: -20 TO +50°C		
RADIAL PLAY: 0.025mm MAX W/A .5KG RADIAL LOAD	STORAGE TEMP. RANGE: -40 TO +70 °C		
END PLAY: 0.075 mm MAX W/A 1KG AXIAL LOAD	RELATIVE HUMIDITY RANGE: 5 TO 95 %		
	WEIGHT: 1.9 KG (4.2 LBS)	1	

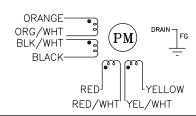
	7	8		1
SPECIFICATION	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH +20%	RATED CURRENT Amp	HOLDING TORQUE Nm Min
BI-POLAR SERIES	4.0	34.4	2.15	5.8
BI-POLAR PARALLEL	1.0	8.6	4.3	5.8
UNI-POLAR	2.0	8.6	2.98	4.0

## NOTES, UNLESS OTHERWISE SPECIFIED:

- 1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2 BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- 3 MAXIMUM ERROR IN 360°.
- 4. HIPOT 1150 VAC, 60 Hz FOR ONE MINUTE.
- 5」LEADS: 8, 22AWG, 7 STRAND MIN.,UL AND CSA APPROVED, UL 1430 OR UL 2517. CABLE, 8 COND. W/DRAIN.
- 6. INSULATION RESISTANCE: 100 MEGAOHMS MIN AT 500 VDC.
- 7 MEASUREMENTS MADE WITH CABLE.
- 8 MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz, WITH CABLE.
- AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 10. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION, INTENDED FOR USE WITH 120V DRIVES WHEN WINDINGS CONNECTED IN PARALLEL AND WITH 220V DRIVES WHEN WINDINGS CONNECTED IN SERIES.
- 11. ROTOR & STATOR LAMINATED CONSTRUCTION.
- [12] GROUND LEAD: AWG 22, UL 2517. DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR ENDBELL.
- 13. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU ROHS DIRECTIVE.
- [14] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, DATE CODE AND "MADE IN (COUNTRY OF ORIGIN)".
- [5] SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.

FU	LL STEP	SWITCHING	G SEQUENCE	
PARALLEL	CONNEC	TION, FAC	ING MOUNTING	G END

	STEP	ORG & BLK/WHT	BLK & ORG/WHT	RED & YEL/WHT	YEL & RED/WHT	CCW
	0	+	_	+	_	<b>1</b>
	1	_	+	+	_	1
T I	2	_	+	_	+	
0144	3	+	_	_	+	
CW	4	+	_	+	_	



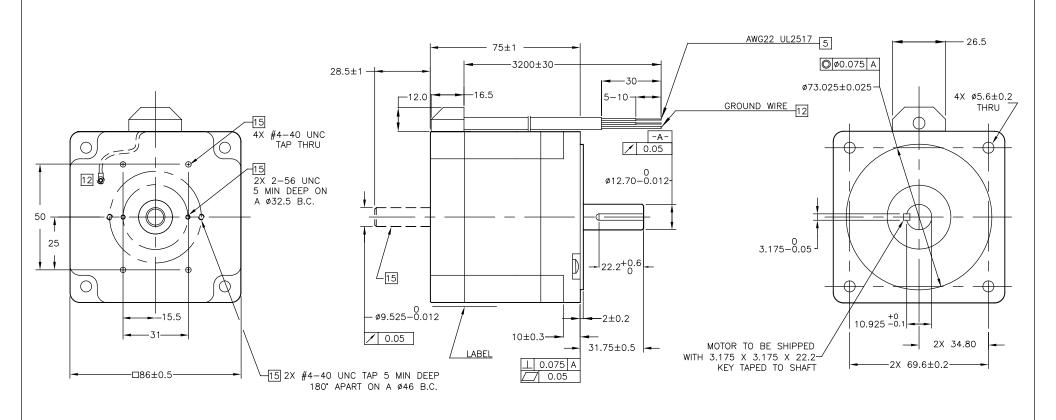
HT34-695

	REVISIONS							
ECO NO.	REV	DESCRIPTION	DATE	APPROVED				
7764	Α	INITIAL RELEASE	11/27/17	J.KORDIK				
7784	В	REVISED DRAWING, MFGR	2/8/18	J.KORDIK				
8062	С	REVISED NOTE 5	10/8/18	J Georgiana				
8083	D	REVISED LABEL	11/6/18	J.KORDIK				



CONTRACT NO.	APPLIED					
		MOTION				
-		PRODUCTS, INC.				
APPROVALS	DATE					
DRAWN	10/1/10	S	TEL	O MO	$T \cap R$	OUTIINE
N.DEY	12/4/17		STEP MOTOR OUTLINE			OCILINL
CHECKED R.JONEZ	1/11/18					
	1/11/18	D .	COMPL	JTER DATA	DWG NO	REV
APPROVED		ıb		DRAWING	l H	T34-695
			D/ IOL	DIVINIII	1.1	101 000 0
APPROVED		SCALE:	NONE			SHEET 1 OF 2

SEE SHEET 1 FOR REVISIONS



	TOLERANCES	THIRD ANGLE P	ROJECTION	
	DECIMALS: MM (INCH)  X.XXX= ± (.005)  X.XX = ±0.13 (.010)  X.X = ±0.25 (.020)  ANGLES:  MACH. = ±.5'			
		APPROVALS	DATE	
		DRAWN		
	CHAM. = ±5°	N.DEY	12/4/17	١ ٦
	OT // W. = ±0	CHECKED R.JONEZ	1/11/18	
	COMPUTER DATA	APPROVED	1, 11, 18	- C

BASE DRAWING

APPLIED MOTION PRODUCTS, INC.

## STEP MOTOR OUTLINE

В	DWG NO.	HT34-695		rev D
SCALE:	1:2		SHEET 2 OF 2	

## **Mouser Electronics**

**Authorized Distributor** 

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Applied Motion: HT34-695