

SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: 2700G-CM ² (14.74 OZ-IN ²) NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 0.8KG-CM (11.1 OZ-IN) MIN
STEP TO STEP ACCURACY: ±5 %	INSULATION CLASS: B
POSITIONAL ACCURACY: ±5 %	BEARINGS: ABEC 3, DOUBLE SHIELDED
HYSTERESIS: - %	WEIGHT: 3.8 KG (8.4 LBS)
SHAFT RUNOUT: 0.05 T.I.R.	TEMP. RISE: 80 °C MAX.
RADIAL PLAY: 0.025 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C
END PLAY: 0.075 MAX W/A 1KG AXIAL LOAD	STORAGE TEMP. RANGE: -40 TO +70 °C
	RELATIVE HUMIDITY RANGE: 5 TO 95 %

[7]		[8]				
CONNECTION	NUMBER OF PHASE	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	RATED VOLTAGE V	HOLDING TORQUE Nm Min
BI-POLAR SERIES	2	4.8	43.2	2.05	10.1	7.84
BI-POLAR PARALLEL	2	1.2	10.8	4.1	5.1	7.84
UNI-POLAR	4	2.4	10.8	2.9	7.2	5.49

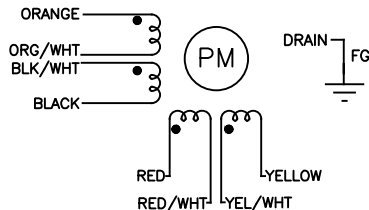
NOTES, UNLESS OTHERWISE SPECIFIED:

- MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- BETWEEN ANY TWO ADJACENT STEP POSITIONS.
- MAXIMUM ERROR IN 360°.
- HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- LEADS: 8, 22AWG, 7 STRAND MIN.,UL AND CSA APPROVED, UL 1430 OR UL 3265.105°C. SHIELDED CABLE, 8 COND. W/DRAIN. CABLE 666-2126.
- INSULATION RESISTANCE: 100 MEGAOHMS MIN AT 500 VDC.
- MEASUREMENTS MADE WITHOUT CABLE.
- AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz. MEASUREMENTS MADE WITHOUT CABLE.
- AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION.
- ROTOR & STATOR LAMINATED CONSTRUCTION.
- DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR ENDBELL.
- THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, DATE CODE AND "MADE IN (COUNTRY OF ORIGIN)".
- SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.

BIPOLAR, FULL STEP, 2 PHASE ON PARALLEL CONNECTED

SWITCHING SEQUENCE FOR CW ROTATION
FACING MOUNTING END

STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-

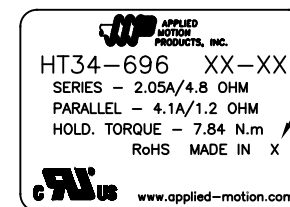


HT34-696

REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
6508	A	INITIAL RELEASE	6/8/06	J Kordik
6602	B	REVISE CABLE/COLORS	10/1/12	J Kordik
6604	C	ADD HOLES FOR OPT COVER	10/29/12	J Kordik
6663	D	REVISE NOTE 5, CLEANUP	4/5/13	S.Lovejoy
6756	E	SPEC CHANGES FROM MFGR	6/6/13	J Kordik
7393	F	DIMENSION TYPO REVISED	3/3/16	J Kordik
7447	G	REVISE NOTE 13	6/7/16	J Kordik
7767	H	ADD UL TO LABEL	11/27/17	J. Kordik

LABEL DETAIL



CONTRACT NO. —		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN <i>N.DEY</i>	<i>11/7/17</i>				
CHECKED					
APPROVED					
APPROVED		B	COMPUTER DATA BASE DRAWING	DWG NO. HT34—696	REV H
APPROVED		SCALE: NONE		SHEET 1 OF 2	

