

SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 2.7KG-CM ² (0.0387 OZ-IN-SEC ²)NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 3.56 G-CM (49.5 OZ-IN) MIN
STEP TO STEP ACCURACY: ±.09 DEGREES [1], [2]	INSULATION CLASS: B
POSITIONAL ACCURACY: ±.09 DEGREES [1], [3]	WEIGHT: 3.8 KG (8.4 LBS)
SHAFT RUNOUT: 0.05mm T.I.R. MAX	TEMP. RISE: 80 °C MAX. [9]
RADIAL PLAY: 0.025mm MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C
END PLAY: 0.075mm MAX W/A 1KG AXIAL LOAD	STORAGE TEMP. RANGE: -40 TO +70 °C
BEARINGS: ABEC 3 , DOUBLE SHIELDED	RELATIVE HUMIDITY RANGE: 5 TO 99 %

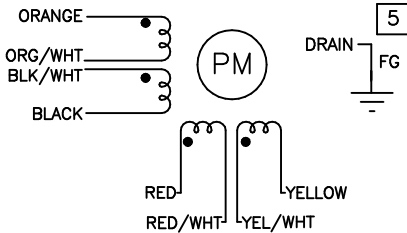
	[7]	[8]		[1]	[1]
SPECIFICATION CONNECTION	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE Nm Min	HOLDING TORQUE oz-in Min.
BI-POLAR SERIES	2.6	21.6	2.8	8.9	1260
BI-POLAR PARALLEL	0.63	5.4	5.6	8.9	1260
UNI-POLAR	1.29	5.4	4.0	6.4	906

- NOTES, UNLESS OTHERWISE SPECIFIED:
- MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
 - BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
 - MAXIMUM ERROR IN 360°.
 - HIPOT 1150 VAC, 60 Hz FOR ONE MINUTE.
 - LEADS: 8, 22AWG, 7 STRAND MIN.,UL AND CSA APPROVED, 105°C. SHIELDED CABLE, 8 CONDUCTOR W/DRAIN. CABLE 666-2126. DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR ENDBELL.
 - INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
 - MEASUREMENTS MADE WITH CABLE.
 - 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.
 - THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
 - MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
 - HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION, INTENDED FOR USE WITH 80VDC DRIVES WHEN WINDINGS CONNECTED IN PARALLEL AND WITH 160VDC DRIVES WHEN WINDINGS CONNECTED IN SERIES.

**BIPOLAR, FULL STEP, 2 PHASE ON
PARALLEL CONNECTED**

SWITCHING SEQUENCE FOR CW ROTATION
FACING MOUNTING END

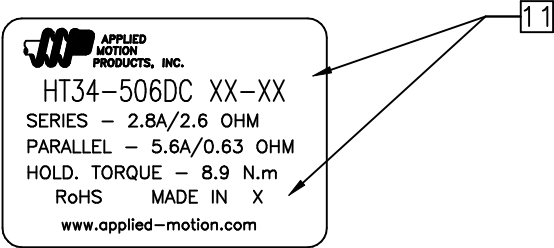
STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-



HT34-506DC

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
6604	A	INITIAL RELEASE	10/29/12	J.KORDIK
6728	B	REVISE NOTE 5, DETAIL	4/3/13	S.Lovejoy
6756	C	SPEC CHANGES FROM MFGR	6/6/13	J.KORDIK
6872	D	SHORTEN REAR SHAFT	11/15/13	J.KORDIK

LABEL DETAIL



CONTRACT NO. -					
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN R.JONEZ	10/5/12				
CHECKED					
APPROVED		B	COMPUTER DATA BASE DRAWING	DWG NO. HT34-506DC	REV D
APPROVED		SCALE: NONE		SHEET 1 OF 2	

