SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: 1100 G–CM^2 (6.0 OZ–IN^2) NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 1529 G–CM (21.2 OZ–IN) MIN
STEP TO STEP ACCURACY: ±.09 DEGREES [1], [2]	INSULATION CLASS: B
POSITIONAL ACCURACY: ±.09 DEGREES [1], [3]	BEARINGS: ABEC 3 , DOUBLE SHIELDED
HYSTERESIS: – %	WEIGHT: 1.8 KG (3.97 LB)
SHAFT RUNOUT: 0.05 T.I.R.	TEMP. RISE: 80 °C MAX. [8]
RADIAL PLAY: 0.02 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: –20 TO +50 °C
END PLAY: 0.08 MAX W/A .5KG AXIAL LOAD	STORAGE TEMP. RANGE: –30 TO +70 °C
	RELATIVE HUMIDITY RANGE: 15 TO 85 %

HT34–504

[7]

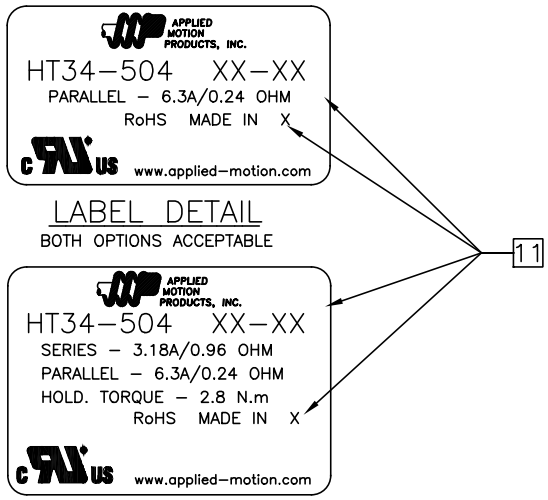
SPECIFICATION / CONNECTION	NUMBER OF PHASE	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE Nm Min	HOLDING TORQUE oz–in Min [1]
BI–POLAR SERIES	2	0.96	6.8	3.18	2.8	396.5
BI–POLAR PARALLEL	2	0.24	1.7	6.3	2.8	396.5
UNI–POLAR	4	0.48	1.7	4.5	2.1	297.4

REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
5982	A	INITIAL RELEASE	10/5/09	J KORDIK
6030	B	SPEC CHANGES	12/2/09	J KORDIK
7247	C	ADD UL TO LABEL	1/26/16	J KORDIK
7447	D	REVISE NOTE 10	6/7/16	J KORDIK
7606	E	ADD HOLE PATTERN	3/30/17	J KORDIK
8209	F	DOCUMENT CLEANUP	4/29/19	J KORDIK
8317	G	SPEC CHANGES, LENGTH	9/3/19	J KORDIK
8383	H	REVISE WEIGHT	12/10/19	M.COX

NOTES, UNLESS OTHERWISE SPECIFIED:

[1] MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
[2] BETWEEN ANY TWO ADJACENT STEP POSITIONS.
[3] MAXIMUM ERROR IN 360°.
4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
[5] LEADS: 8, 22AWG, 7 STRAND MIN.,UL AND CSA APPROVED, UL 1430 OR UL 3265, 3266.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
[7] AS MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
[8] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
[9] SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
[11] MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.
10. HIGH TORQUE MOTOR DESIGN.

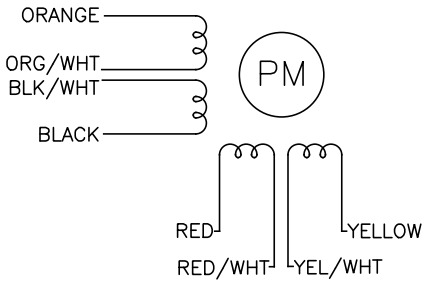


BIPOLAR, FULL STEP, 2 PHASE ON PARALLEL CONNECTED

SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

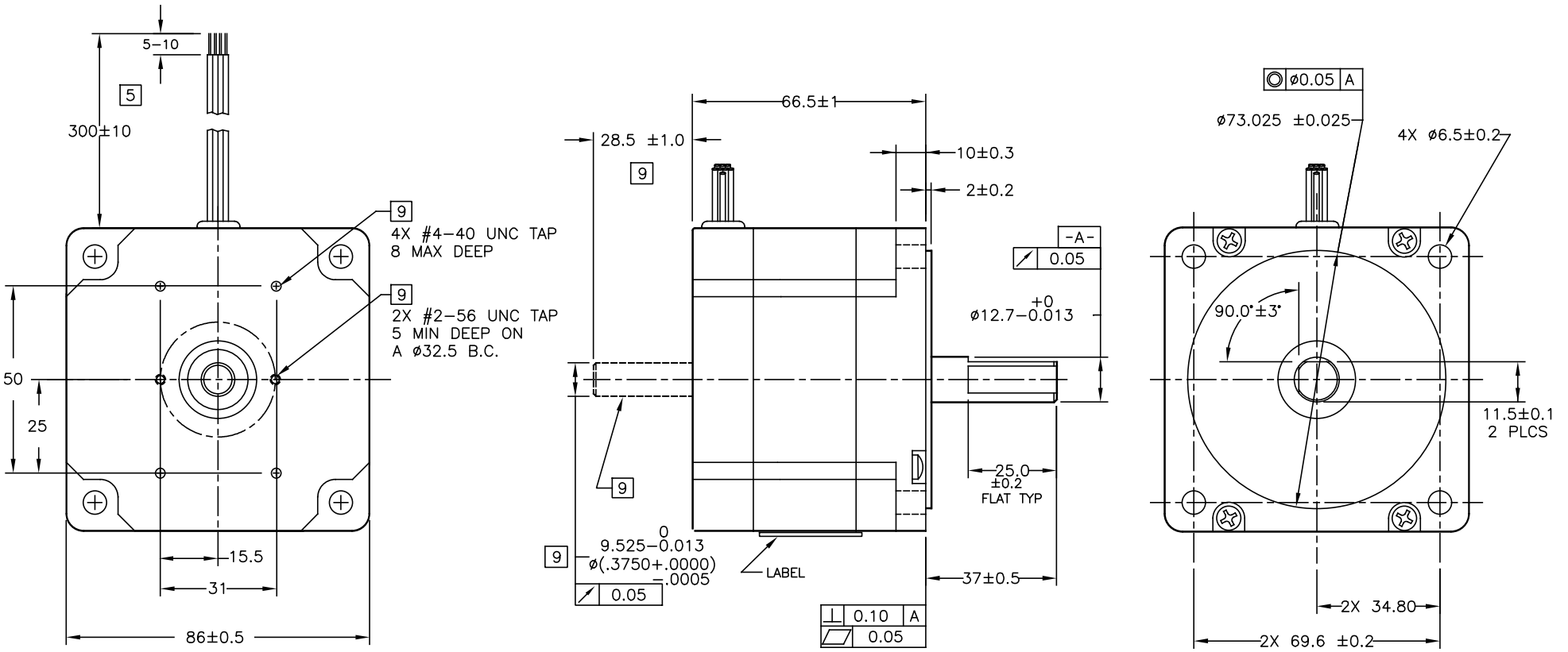
STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	–	+	–
1	–	+	+	–
2	–	+	–	+
3	+	–	–	+
4	+	–	+	–

CCW



SINGLE/DOUBLE SHAFT VERSION

CONTRACT NO. –	APPLIED MOTION PRODUCTS, INC.
–	
APPROVALS / DATE	STEP MOTOR OUTLINE
DRAWN R.JONEZ 9/1/09	
CHECKED	B — COMPUTER DATA BASE DRAWING — DWG NO. HT34–504 — REV H
APPROVED	
APPROVED	SCALE: NONE — SHEET 1 OF 2



TOLERANCES	THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.
DECIMALS: MM (INCH) X.XXX= ±0.013 (.005) X.XX = ±0.25 (.01) X.X = ±2.5 (0.1) ANGLES: MACH. = ±.5° CHAM. = ±5°			STEP MOTOR OUTLINE
COMPUTER DATA BASE DRAWING	APPROVALS	DATE	B / DWG NO. HT34–504 / REV H
	DRAWN R.JONEZ	9/1/09	SCALE: NONE / SHEET 2 OF 2
	CHECKED		
	APPROVED		