

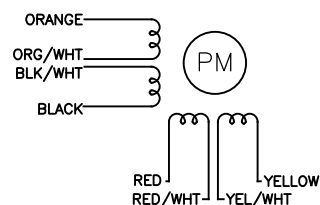
SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 54 G-CM ² (0.29 OZ-IN ²) REF
STEP ANGLE: 1.8°	DETENT TORQUE: 122 G-CM (1.7 OZ-IN) MIN
STEP TO STEP ACCURACY: ±5 %	INSULATION CLASS: B
POSITIONAL ACCURACY: ±5 %	BEARINGS: ABEC 3 , DOUBLE SHIELDED
HYSTERESIS:— %	WEIGHT: 230 G (8.0 OZ) APPROXIMATE
SHAFT RUNOUT: 0.03 T.I.R.	TEMP. RISE: 80 °C MAX.
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 %

[7]						
SPECIFICATION CONNECTION	NUMBER OF PHASE	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	RATED VOLTAGE V	HOLDING TORQUE N.m Min
BI-POLAR SERIES	2	48.0	54.0	0.28	13.4	0.24
BI-POLAR PARALLEL	2	12.0	13.5	0.57	6.8	0.24
UNI-POLAR	4	24.0	13.5	0.40	9.6	0.17

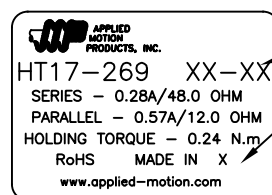
NOTES, UNLESS OTHERWISE SPECIFIED:

- [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, 26 AWG, 7 STRAND MIN.,UL AND CSA APPROVED, UL 3265 OR UL 1430.
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.

WIRING DIAGRAM



LABEL DETAIL




HT17-269

REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
5976	A	INITIAL RELEASE	8/28/09	J KORDIK
6027	B	ROTOR INERTIA REVISED	12/11/09	J KORDIK
6090	C	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK
7446	D	REVISE NOTE 10	6/6/16	J KORDIK
7850	E	REVISE TAPPED HOLE DEPTHS	3/7/18	J KORDIK

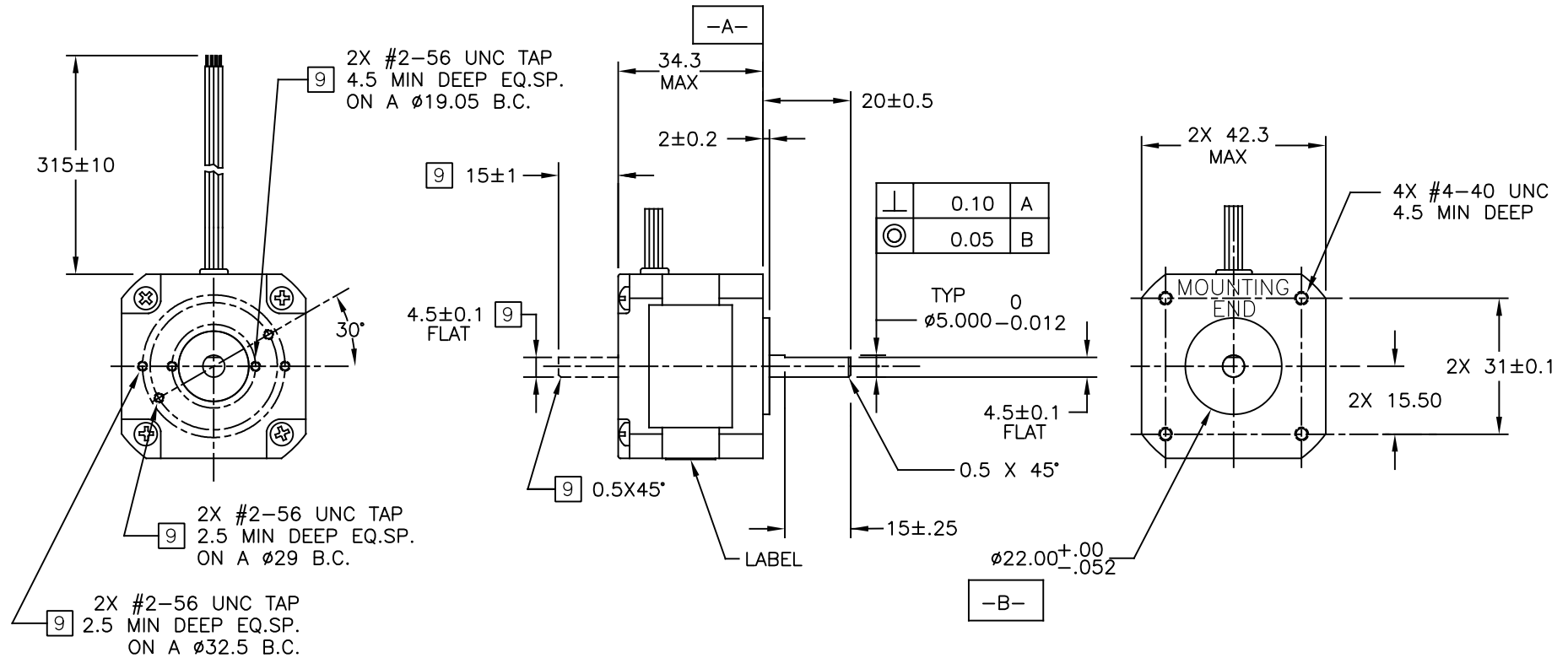
DRIVE SEQUENCE MODEL BI-POLAR FULL STEP

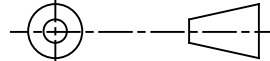
STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT	
1	+	-	+	-	
2	-	+	+	-	
3	-	+	-	+	
4	+	-	-	+	

CW(CLOCKWISE) AND CCW(COUNTER-CLOCKWISE) ROTATION
WHEN SEEN FROM THE FLANGE SIDE OF THE MOTOR

CONTRACT NO. —		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN <i>R.JONEZ</i>	<i>8/20/09</i>				
CHECKED					
APPROVED		B	COMPUTER DATA BASE DRAWING	DWG NO. HT17-269	REV E
APPROVED					
		SCALE: NONE		SHEET 1 OF 2	

MOTOR DRAWING



TOLERANCES	THIRD ANGLE PROJECTION	APPLIED MOTION PRODUCTS, INC.		
DECIMALS: MM (INCH) X.XXX = $\pm .005$ X.XX = $\pm 0.13 (.010)$ X.X = $\pm 0.25 (.020)$ ANGLES: MACH. = $\pm 5^\circ$ CHAM. = $\pm 5^\circ$	 APPROVALS DRAWN <i>R. JONEZ</i> CHECKED APPROVED	DATE <i>8/20/09</i>	STEP MOTOR OUTLINE	
COMPUTER DATA BASE DRAWING			B	REV E
			DWG NO. HT17-269	
			SCALE: NONE	SHEET 2 OF 2

Mouser Electronics

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