

SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: $2.7\text{KG}\cdot\text{CM}^2$ (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: 0.05 mm 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 $\pm 10\%$	INDUCTANCE PER PHASE mH $\pm 20\%$	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

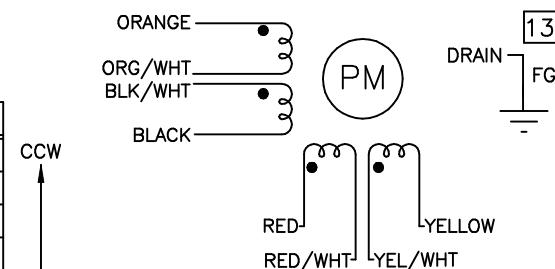
NOTES. UNLESS OTHERWISE SPECIFIED:

- 1** MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2** BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- 3** MAXIMUM ERROR IN 360°.
- 4**. HIPOUT 1150 VAC, 60 Hz FOR ONE MINUTE.
- 5** LEADS: 8, 22AWG, 7 STRAND MIN.,UL AND CSA APPROVED,
105°C. SHIELDED CABLE, 8 COND. W/DRAIN. CABLE 666-2126.
- 6**. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7** MEASUREMENTS MADE WITH CABLE.
- 8** MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz, WITH CABLE.
- 9** AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED
CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 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.
- 12. 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.
- 13** DRAIN WIRE TO BE CONNECTED TO INSIDE OF REAR ENDBELL.

BIPOLAR, FULL STEP, 2 PHASE ON
PARALLEL CONNECTED

SWITCHING SEQUENCE FOR CW ROTATION
FACING MOUNTING END

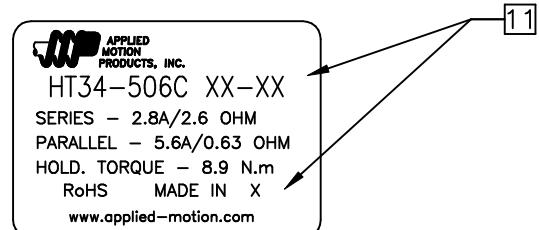
STEP	ORANGE & BLK/WHT	BLACK & ORN/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-



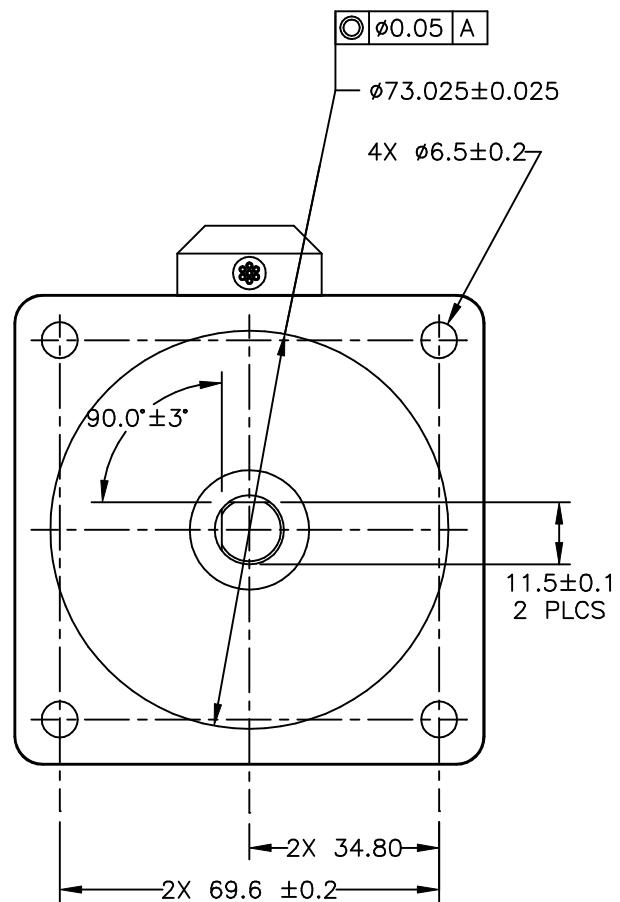
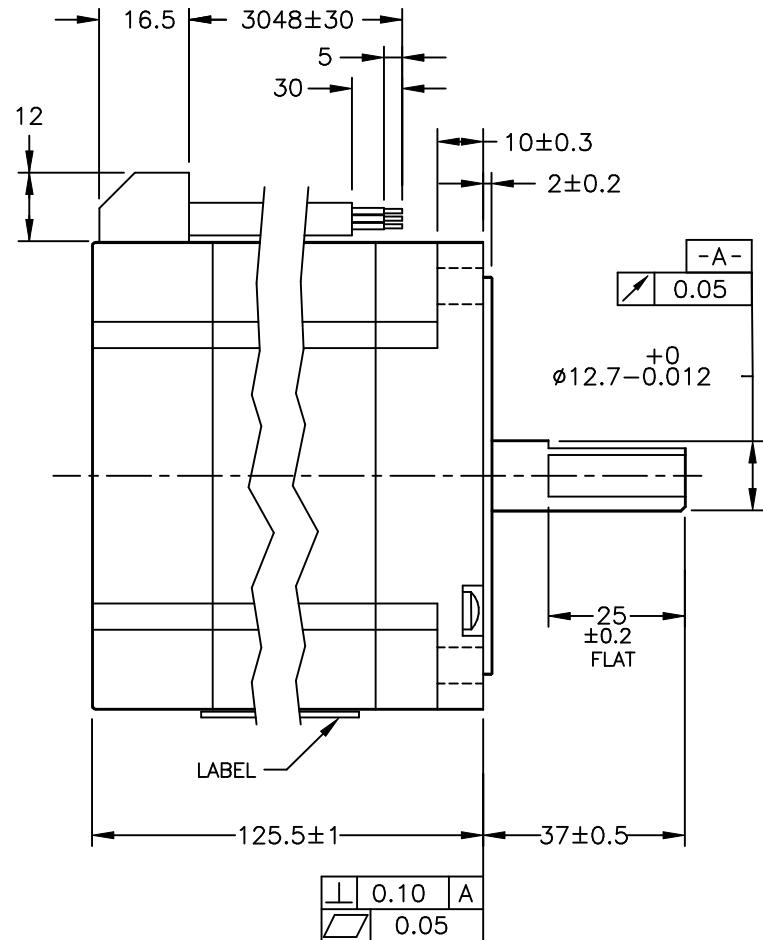
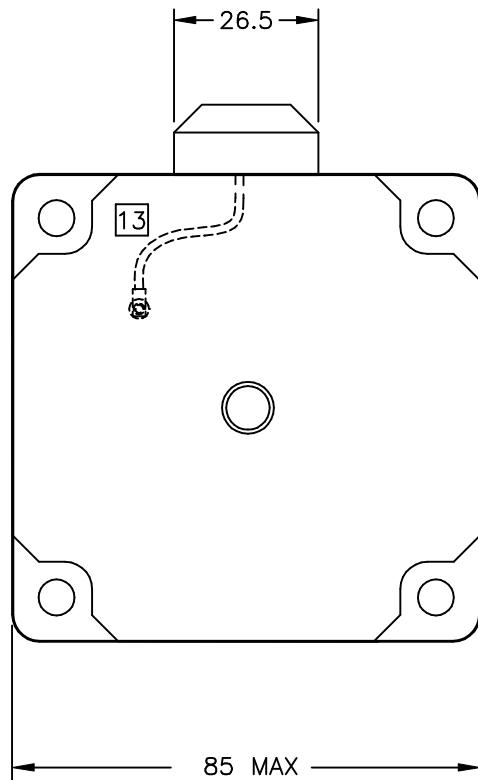
TITAN 5060

REVISIONS

LABEL DETAIL



CONTRACT NO. — —		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN <i>R.JONEZ</i>	10/5/12				
CHECKED		B	COMPUTER DATA BASE DRAWING	DWG. NO.	REV
APPROVED			HT34-506C		D
APPROVED		SCALE: NONE	SHEET 1 OF 2		



TOLERANCES		THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.	
DECIMALS: MM (INCH)					
X.XXX = ± .005					
X.XX = ± 0.13 (.010)					
X.X = ± 0.25 (.020)					
ANGLES:					
MACH. = ± .5°					
CHAM. = ± 5°					
COMPUTER DATA BASE DRAWING					
DRAWN R.JONEZ					
CHECKED					
APPROVED					
DWG NO.		HT34-506C		REV D	
SCALE: NONE		SHEET 2 OF 2			