

SPECIFICATIONS:

NUMBER OF PHASES: 2	ROTOR INERTIA: 57 g-cm ² (0.31 oz-in ²) NOM
STEPS PER REVOLUTION: 200	INSULATION CLASS: B
STEP ANGLE: 1.8°	TEMP. RISE: 80 °C MAX.
STEP TO STEP ACCURACY: ±0.09°	OPERATING TEMP. RANGE: -20 TO +50 °C
POSITIONAL ACCURACY: ± 5 %	STORAGE TEMP. RANGE: -30 TO +70 °C
AXIAL MOVEMENT: 0.1mm MAX (100N AXIAL FORCE)	RELATIVE HUMIDITY RANGE: 15 TO 85 %
BEARING SIZE: 19*10*5 mm	WEIGHT: 0.28 kg (0.62 lb)
SHAFT MATERIAL: SUS303	

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	1.04	2.73	2	0.45	63.7

NOTES, UNLESS OTHERWISE SPECIFIED:

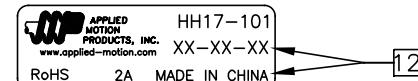
- 1 MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
- 2 BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
- 3 MAXIMUM ERROR IN 360°.
- 4 HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
- 5 CONNECTOR: JSTS6B-PH-K(LF)(SN)
- 6 INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
- 7 AS MEASURED ACROSS EACH PHASE.
- 8 AS MEASURED ACROSS EACH PHASE USING AN A.C. INDUCTANCE BRIDGE AT 1 KHz.
- 9 AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED CURRENT APPLIED TO 2 PHASES; WITH MOTOR AT REST.
- 10 ROTOR & STATOR LAMINATED CONSTRUCTION.
- 11 THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- 12 MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, AMP P/N, 'MADE IN (COUNTRY OF ORIGIN)', AND DATE CODE.
- 13 HIGH TORQUE MOTOR DESIGN.

HH17-101

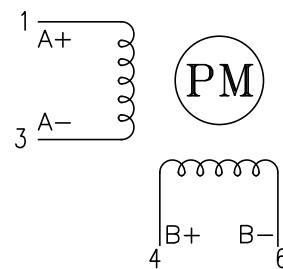
REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
7068	A	PRELIMINARY RELEASE	10/24/14	D.MACLEOD
7446	B	REVISE NOTE 11	6/6/16	J.KORDIK
8359	C	1ST ANGLE TO 3RD	10/31/19	J.KORDIK
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LABEL DETAIL



PHASE DETAIL



FULL STEP SWITCHING SEQUENCE
BI-POLAR, FACING MOUNTING END

STEP	A+	A-	B+	B-
0	+	—	+	—
1	—	+	+	—
2	—	+	—	+
3	+	—	—	+
4	+	—	+	—

CCW
↑
CW

CONTRACT NO.

APPLIED
MOTION
PRODUCTS, INC.

APPROVALS

DATE

DRAWN

10/31/19

CHECKED

10/31/19

APPROVED

10/31/19

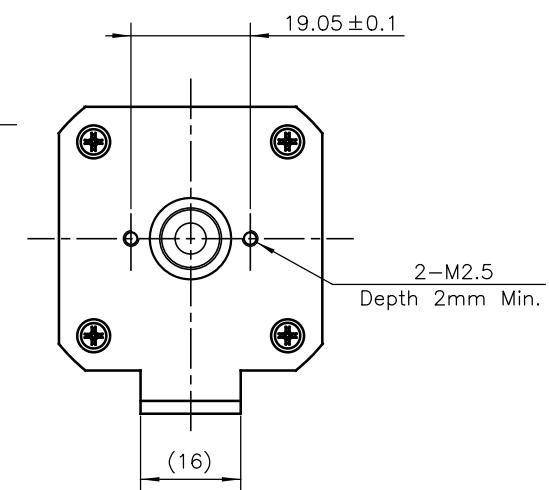
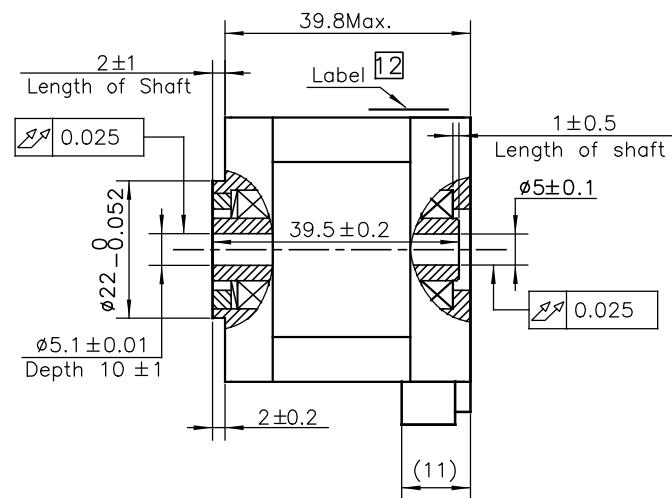
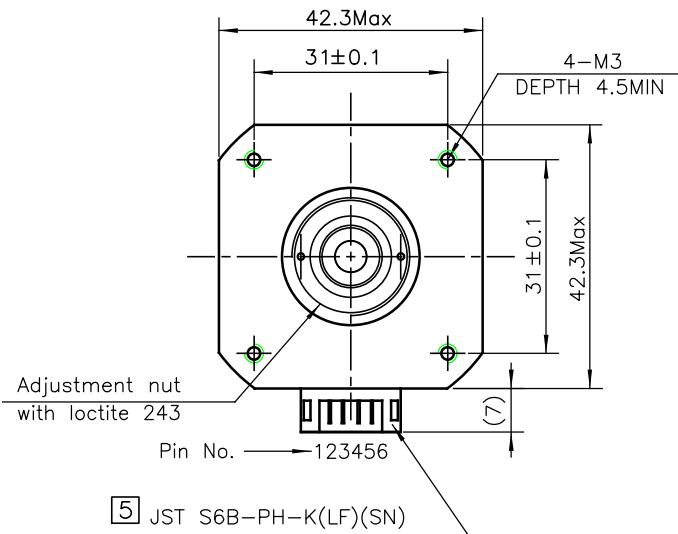
APPROVED

10/31/19

STEP MOTOR OUTLINE

B COMPUTER DATA
BASE DRAWING DWG NO. HH17-101 REV C

SCALE: NONE SHEET 1 OF 2



*ALL DIMENSIONS IN MM

TOLERANCES		THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.	
DECIMALS: MM	X.XX = ±0.13 X.X = ±0.25 X = ±0.5	ANGLES: MACH. = ±0.5° CHAM. = ±5°	DATE		
APPROVALS		DRAWN K.KESLER	10/31/19	STEP MOTOR OUTLINE	
CHECKED R.JONEZ	10/31/19				
APPROVED —	—	SCALE: NONE	SHEET 2 OF 2		