

SPECIFICATIONS:

5014-897

NUMBER OF PHASES: 2	ROTOR INERTIA: 14 g-cm ² (0.08 oz-in ²) NOM
STEPS PER REVOLUTION: 400	DETENT TORQUE: 10 mNm (1.42 oz-in) MIN
STEP ANGLE: 0.9°	BEARINGS: 625ZZ
STEP TO STEP ACCURACY: ±0.045°	INSULATION CLASS: B
POSITIONAL ACCURACY: ±5%	HYSTERESIS: N/A%
SHAFT RUNOUT: 0.03 mm T.I.R. MAX	TEMP. RISE: 80 °C MAX.
RADIAL PLAY: 0.02 mm MAX (.5KG RADIAL LOAD)	OPERATING TEMP. RANGE: -20 TO +50 °C
END PLAY: 0.08 mm MAX (.5KG AXIAL LOAD)	STORAGE TEMP. RANGE: -30 TO +70 °C
MAXIMUM RADIAL LOAD: 21N (4.72 lb)	RELATIVE HUMIDITY RANGE: 15 TO 85 %
MAXIMUM AXIAL LOAD: 10N (2.25 lb)	WEIGHT: 0.16 kg (0.35 lb)

SPECIFICATION	[7]	[8]	[1]	[1]
CONNECTION	RESISTANCE PER PHASE (ohm ±10%)	INDUCTANCE PER PHASE (mH ±20%)	RATED CURRENT (amp)	HOLDING TORQUE (Nm MIN)
BI-POLAR SERIES	6.6	8	0.6	0.07

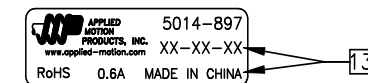
NOTES, UNLESS OTHERWISE SPECIFIED:

- 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: JST S11B-ZR(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 ADD "D" TO END OF PART NUMBER IF DOUBLE SHAFT IS REQUIRED. ENCODER HOLES INCLUDED WITH REAR SHAFT VERSION ONLY.
11. ROTOR & STATOR LAMINATED CONSTRUCTION.
12. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
- 13 MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, AMP P/N, 'MADE IN (COUNTRY OF ORIGIN)', AND DATE CODE.

REVISIONS

ECO NO.	REV	DESCRIPTION	DATE	APPROVED
6947	A	PRELIMINARY RELEASE	4/11/14	D.MACLEOD
7048	B	ERROR CORRECTION	8/11/14	D.MACLEOD
—	—	—	—	—
—	—	—	—	—
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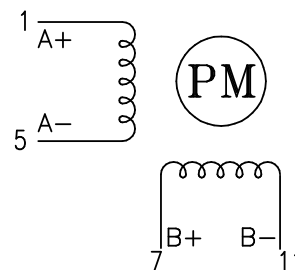
LABEL DETAIL



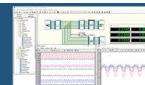
PHASE DETAIL

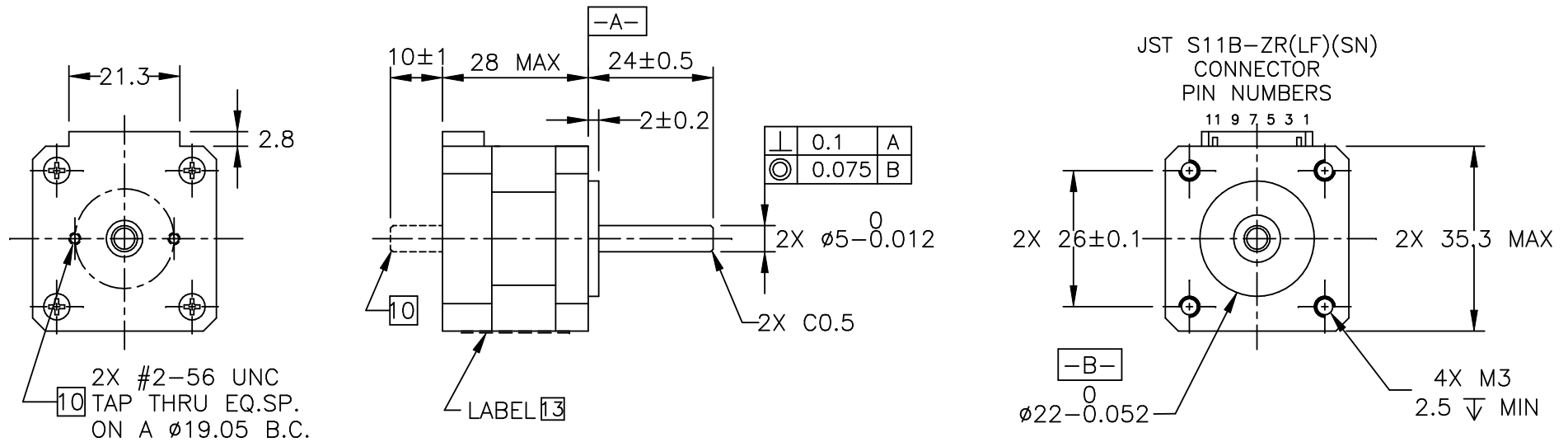
FULL STEP SWITCHING SEQUENCE BI-POLAR, FACING MOUNTING END

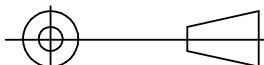
STEP	A+	A-	B+	B-
0	+	—	+	—
1	—	+	+	—
2	—	+	—	+
3	+	—	—	+
4	+	—	+	—



CONTRACT NO. —		STEP MOTOR OUTLINE			
APPROVALS	DATE				
DRAWN K.KESLER	8/11/14				
CHECKED —	—				
APPROVED —	—	B	COMPUTER DATA BASE DRAWING	DWG NO. 5014-897	REV B
APPROVED —	—				
SCALE: NONE				SHEET 1 OF 2	





TOLERANCES		THIRD ANGLE PROJECTION					
*ALL DIMENSIONS IN MM DECIMALS: MM X.XX = ±0.13 X.X = ±0.25 ANGLES: MACH. = ±0.5° CHAM. = ±5°							
		APPROVALS		DATE			
		DRAWN		8/11/14			
		K.KESLER		-			
CHECKED		-		B	DWG NO.	5014-897	REV B
COMPUTER DATA BASE DRAWING		APPROVED					
		-					
				SCALE: NONE		SHEET 2 OF 2	



Cobots



Artificial Vision



PLCs



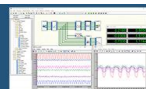
HMIs



Sensors



Dataloggers



Software



Gateways



Oscilloscopes



Load cells



DAQ / IoT



Industrial PCs