SPECIFICATIONS:							
NUMBER OF PHASES: 4	ROTOR INERTIA: 260 g-cm ² (1.42 oz-in ²) NOM						
STEPS PER REVOLUTION: 400	DETENT TORQUE: 48 mNm (6.80 oz-in) MIN						
STEP ANGLE: 0.9°	BEARINGS: 608ZZ						
STEP TO STEP ACCURACY: ±0.045° 1, 2	INSULATION CLASS: B						
POSITIONAL ACCURACY: ±5% 1,3	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: 71N (15.96lb)	RELATIVE HUMIDITY RANGE: 15 TO 85 %						
MAXIMUM AXIAL LOAD: 15N (3.37lb)	WEIGHT: 0.6 kg (1.32 lb)						

	7	8		1	1
SPECIFICATION	RESISTANCE	INDUCTANCE	RATED	HOLDING	HOLDING
	PER PHASE	PER PHASE	CURRENT	TORQUE	TORQUE
CONNECTION	(ohm ±10%)	(mH ±20%)	(amp)	(Nm MIN)	(oz-in Min)
UNI-POLAR	1.8	4.1	2.0	0.9	127.45
BI-POLAR SERIES	3.6	16.5	1.4	1.1	155.77

REVISIONS ECO NO. REV DESCRIPTION DATE APPROVED 4/11/14 PRELIMINARY RELEASE D.MACLEOD 6947 8/11/14 7048 lв **ERROR CORRECTION** D.MACLEOD 9/30/14 D.MACLEOD 7069 MANU. SPEC. CHANGES 7445 D REVISE NOTE 12 6/6/16 J KORDIK 7567 REVISE NOTE 5 1/5/17 F J KORDIK

NOTES, UNLESS OTHERWISE SPECIFIED:

- 1 MEASURMENTS 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] LEADS: 6. AWG 22. 7 STRAND MIN., UL AND CSA APPROVED, UL 3266
- 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.
- 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 IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- 13 MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, AMP P/N, 'MADE IN (COUNTRY OF ORIGIN)', AND DATE CODE,
- 14. HIGH TORQUE MOTOR DESIGN

LABEL DETAIL

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2

HT2



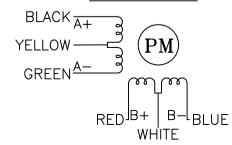
PHASE DETAIL

BI-POLAR, FACING MOUNTING END

STEP A+ A- B+ B- CCW

0 + - + 1 - + 2 - + - +
3 + - - +

FULL STEP SWITCHING SEQUENCE



CONTRACT NO.	APPLIED MOTION PRODUCTS, INC.						
APPROVALS	DATE						_
DRAWN K.KESLER CHECKED	9/23/14		TEI	P MO	TOR	OUTLINE	1
APPROVED	-	СОМРИТ		JTER DATA	DWG NO.	LITO7 FFO	REV
AIT NOVED	_		BASE	DRAWING		HT23-559	E
APPROVED —	_	SCALE: NONE				SHEET 1 OF 2	

