

SPECIFICATIONS:		
NUMBER OF PHASES: 2	ROTOR INERTIA: 135 g-cm ² (0.74 oz-in ²) NOM	
STEPS PER REVOLUTION: 400	DETENT TORQUE: 25 mNm (3.54 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. 9	
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: 0.42 kg (0.93 lb)	

	[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	2.0	6.6	1.5	0.48	67.97

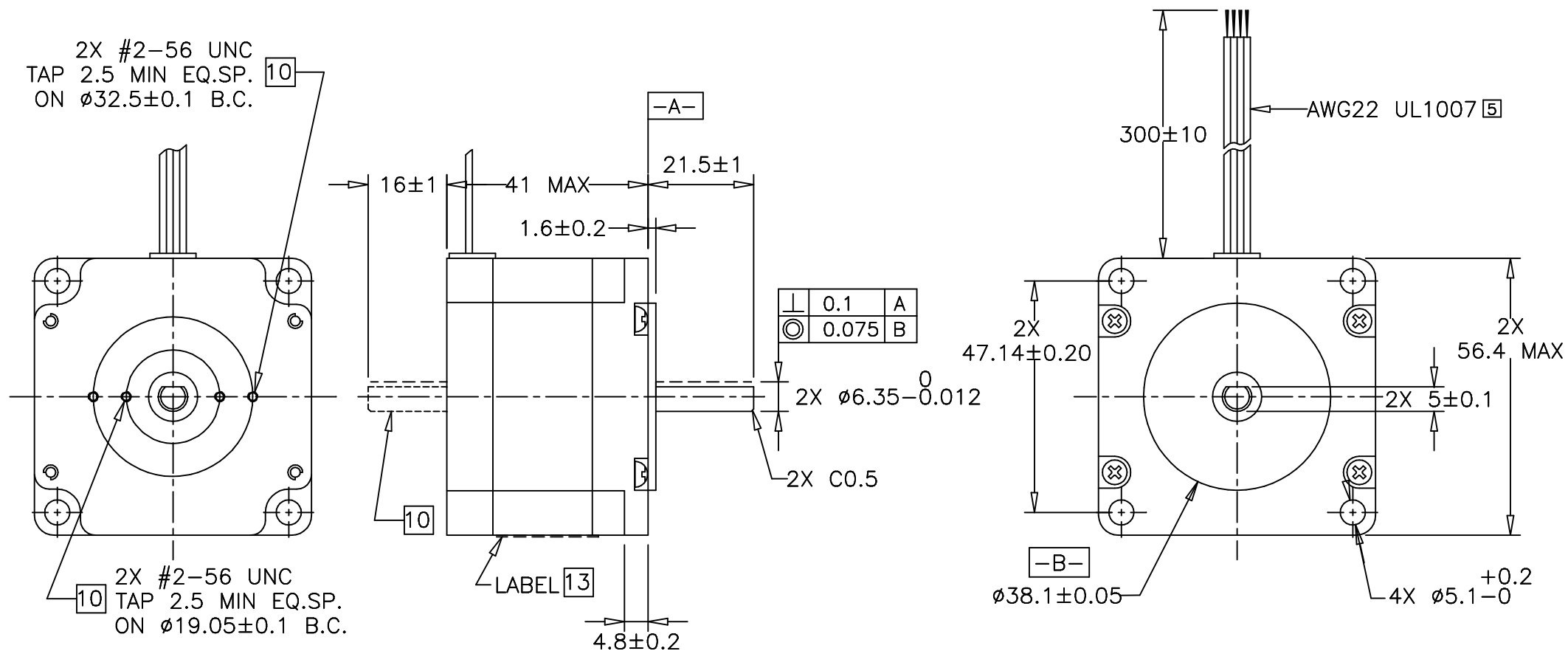
1. MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
2. BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.
3. MAXIMUM ERROR IN 360°.
4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
5. LEADS: 4, AWG 22, 7 STRAND MIN., UL AND CSA APPROVED, UL 1007
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
7. AS MEASURED 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.
14. HIGH TORQUE MOTOR DESIGN

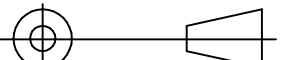
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**APPLIED
MOTION**
PRODUCTS, INC.
www.applied-motion.com
HT23-560
XX-XX-XX
RoHS 1.5A MADE IN CHINA

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

CONTRACT NO. —		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN K.KESLER	7/1/2015				
CHECKED —	—				
APPROVED —	—				
APPROVED —	—	B	COMPUTER DATA BASE DRAWING	DWG NO. HT23-560	REV D
APPROVED —	—	SCALE: NONE		SHEET 1 OF 2	



TOLERANCES		THIRD ANGLE PROJECTION		 APPLIED MOTION PRODUCTS, INC.		
*ALL DIMENSIONS IN MM DECIMALS: MM X.XX = ±0.13 X.X = ±0.25 ANGLES: MACH. = ±0.5° CHAM. = ±5°						
		APPROVALS	DATE	STEP MOTOR OUTLINE		
		DRAWN K.KESLER	7/1/2015			
		CHECKED —	—	B	DWG NO. HT23-560	REV D
		APPROVED —	—			
COMPUTER DATA BASE DRAWING				SCALE: NONE		SHEET 2 OF 2