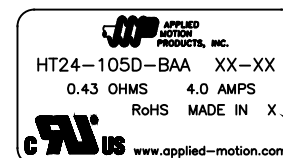
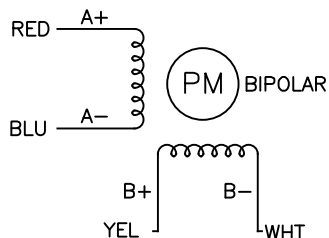


SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 450 G-CM <sup>2</sup> (2.45 OZ-IN <sup>2</sup> ) REF
STEP ANGLE: 1.8°	HOLDING TORQUE: 1.25N-m ( 177 OZ-IN) MIN [1]
STEP TO STEP ACCURACY: ± 5 % [1] , [2]	DETENT TORQUE: 90 mN-m ( 12.7 OZ-IN) MIN
POSITIONAL ACCURACY: ± 5 % [1] , [3]	
HYSTERESIS: - %	INSULATION CLASS: B
WINDING RESISTANCE: 0.43 OHM ±10% AT 20° [12]	BEARINGS: ABEC 3 , DOUBLE SHIELDED
WINDING INDUCTANCE: 1.1 mH ± 20% [7]	WEIGHT: 830 G (29 OZ) APPROXIMATE
PHASE VOLTAGE: 1.72VDC	TEMP. RISE: 80°C MAX. [8]
PHASE CURRENT: 4.0 AMP (RATED)	OPERATING TEMP. RANGE: -20 TO +50 °C
NUMBER OF PHASES: 2	STORAGE TEMP. RANGE: -30 TO +70 °C
SHAFT RUNOUT: 0.03 T.I.R.	RELATIVE HUMIDITY RANGE: 15 TO 85 %
RADIAL PLAY: 0.02mm MAX WITH .5KG RADIAL LOAD.	
END PLAY: 0.08mm MAX WITH .5KG AXIAL LOAD.	

[illegible]

1. MEASUREMENTS MADE AT RATED CURRENT IN EACH PHASE.
2. BETWEEN ANY TWO ADJACENT STEP POSITIONS.
3. MAXIMUM ERROR IN 360°.
4. HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.
5. LEADS: 4, 22 AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 1007.
6. INSULATION RESISTANCE: 100 MEGAOHMS MIN AT 500 VDC.
7. AS MEASURED USING AN A.C. INDUCTANCE BRIDGE, AT 1KHz.
8. AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
9. ENCODER 970-1028 INSTALLED PER AMP ASSEMBLY PRACTICES.  
ENCODER CABLE SOLD SEPARATELY.
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. AS MEASURED ACROSS ANY WINDING.
13. OTHER TAPPED HOLES MAY BE PRESENT ON REAR OF MOTOR.

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



**APPLIED  
MOTION  
PRODUCTS, INC.**


HT24-105D-BAA XX-XX

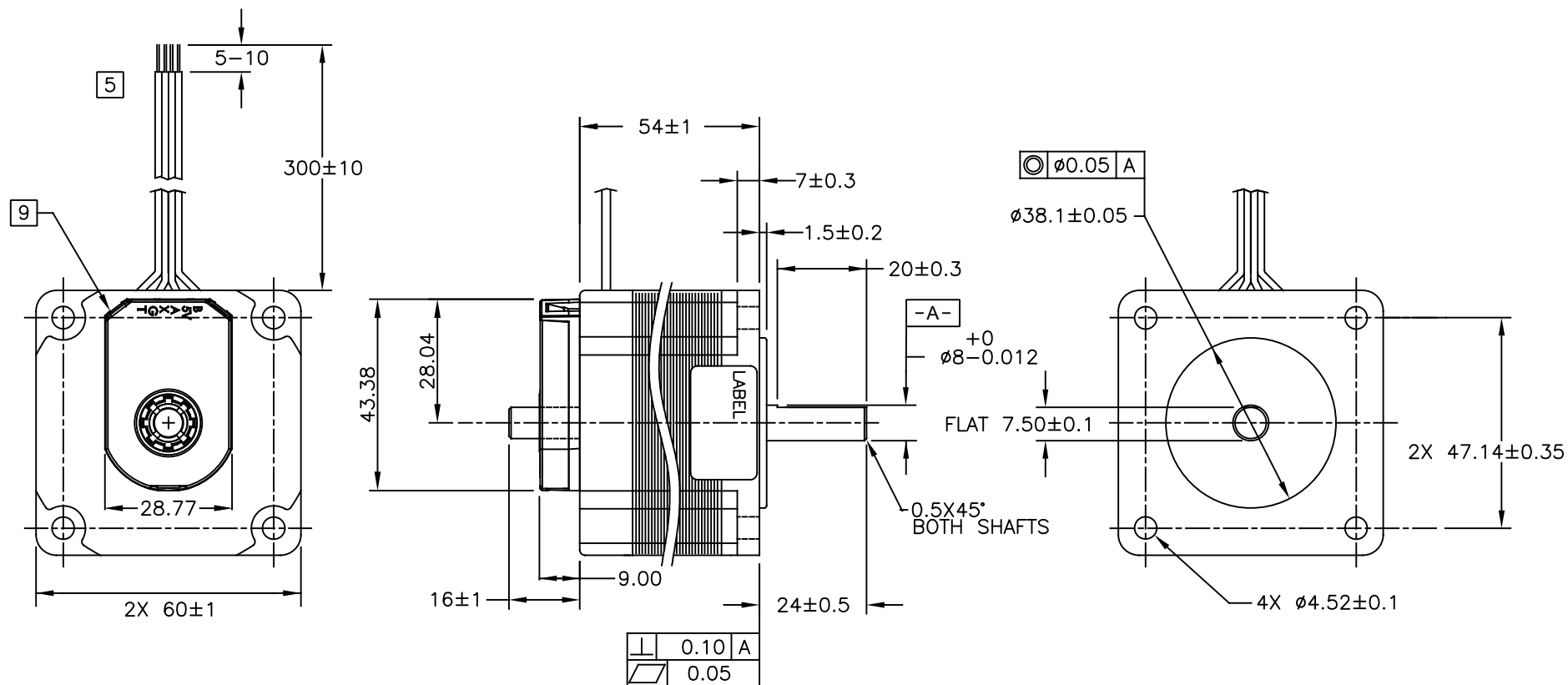
0.43 OHMS 4.0 AMPS

HOLD TORQUE - 1.25 N.m

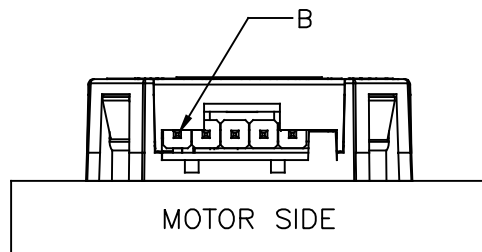
RoHS MADE IN X

**CM US** [www.applied-motion.com](http://www.applied-motion.com)

CONTRACT NO.		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN					
CHECKED					
APPROVED					
		B	COMPUTER DATA BASE DRAWING	DWG. NO. HT24-105D-BAA	REV A
		SCALE: NONE		SHEET 1 OF 2	



CONNECTOR	
PIN NO:	SIGNAL
B	B CHANNEL
5V	+5 V
A	A CHANNEL
X	INDEX CHANNEL
G	GND
T	UNUSED



TOLERANCES		THIRD ANGLE PROJECTION		APPLIED MOTION PRODUCTS, INC.	
DECIMALS: MM		APPROVALS		STEP MOTOR OUTLINE	
X.XXX = $\pm 0.013$		DATE		B	
X.XX = $\pm 0.25$		DRAWN <i>N. DEY</i>		DWG NO. HT24-105D-BAA	
X.X = $\pm 2.5$		CHECKED <i>K. KESLER</i>		REV A	
ANGLES: MACH. = $\pm 5^\circ$		APPROVED <i>J. KORDIK</i>		SCALE: 7:10	
CHAM. = $\pm 5^\circ$		12/20/17		SHEET 2 OF 2	
COMPUTER DATA BASE DRAWING					

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Applied Motion:](#)

[HT24-105D-BAA](#)