SPECIFICATIONS:				
STEPS PER REVOLUTION: 200	ROTOR INERTIA: 460 G-CM ² (2.510Z-IN ²)NOM			
STEP ANGLE: 1.8"	DETENT TORQUE: 714 G-CM (9.91 OZ-IN) MIN			
STEP TO STEP ACCURACY: ±5 % 1,2	INSULATION CLASS: B			
POSITIONAL ACCURACY: ±5 % 1,3	BEARINGS: ABEC 3, DOUBLE SHIELDED			
HYSTERESIS: – %	WEIGHT: 1.0 KG (2.2 LB)			
SHAFT RUNOUT: 0.05 T.I.R.	TEMP. RISE: 80 °C MAX.			
RADIAL PLAY: 0.02 MAX W/A .5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C			
END PLAY: 0.08 MAX W/A .5KG AXIAL LOAD	STORAGE TEMP. RANGE: -30 TO +70 °C			
	RELATIVE HUMIDITY RANGE: 15 TO 85 %			

REVISIONS								
ECO NO.	REV	DESCRIPTION	DATE	APPROVED				
5976	А	INITIAL RELEASE	8/28/09	J KORDIK				
6090	В	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK				
6807	С	REVISE FLANGE THICKNESS	9/9/13	J KORDIK				
7445	D	REVISE NOTE 10	6/6/16	J KORDIK				

-599

HT23-

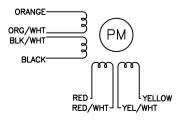
			7				_
SPECIFICATION		RESISTANCE	INDUCTANCE	RATED	RATED	HOLDING	
CONNECTION	OF PHASE	PER PHASE OHM ±10%	PER PHASE mH ±20%	CURRENT Amp	VOLTAGE V	TORQUE Nm Min	
BI-POLAR SERIES	2	16.0	61.6	0.71	11.4	1.74	
BI-POLAR PARALLEL	2	4.0	15.4	1.41	5.6	1.74	
UNI-POLAR	4	8.0	15.4	1.00	8.0	1.23	

NOTES, UNLESS OTHERWISE SPECIFIED:

- 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: 8, 22AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265.
- 6. INSULATION RESISTANCE: 100 MEGOHMS 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.
- SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
- 10. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
- MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE.

CW

WIRING DIAGRAM



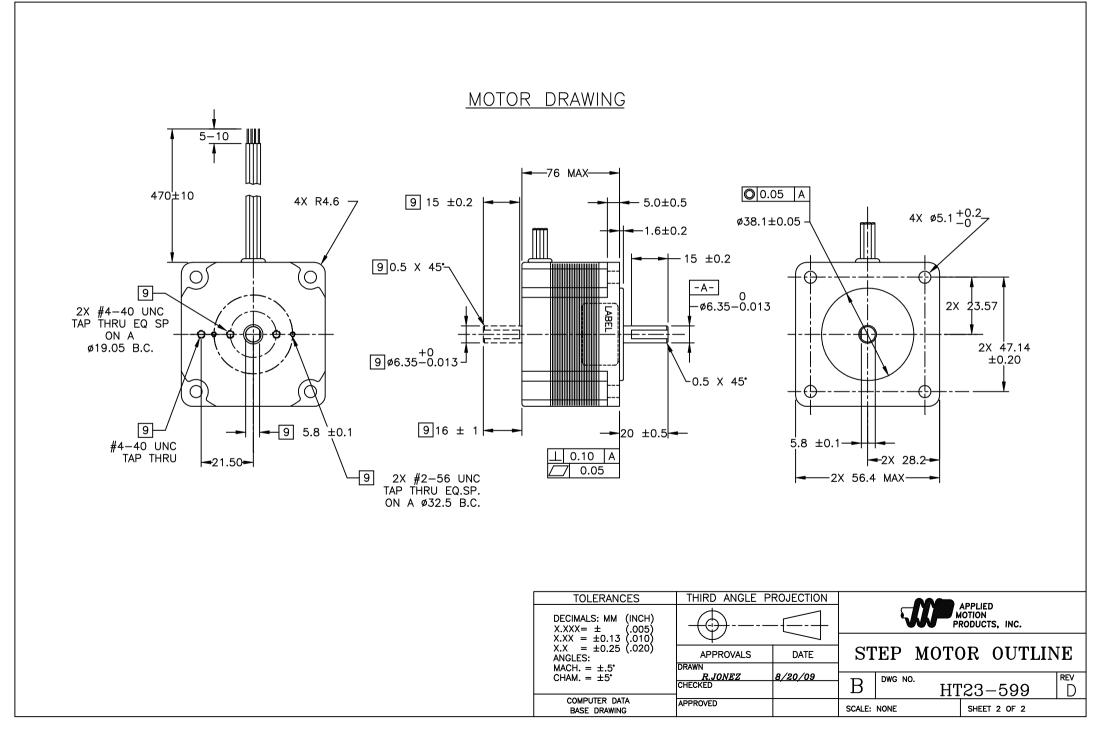
DRIVE SEQUENCE MODEL BI-POLAR FULL STEP

STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT
1	+	-	+	_
2		+	+	—
3		+	—	+
4	+	—	—	+

CW(CLOCKWISE) AND CCW(COUNTER-CLOCKWISE) ROTATION WHEN SEEN FROM THE FLANGE SIDE OF THE MOTOR

APPLIED MOTION PRODUCTS, INC.	
HT23-599 XX-XX RoHS MADE IN X www.applied-motion.com	
LABEL DETAIL BOTH OPTIONS ACCEPTABLE	
APPLED PRODUCTS, INC. HT23-599 XX-XX SERIES - 0.71A/16.0 OHM PARALLEL - 1.41A/4.0 OHM HOLD. TORQUE - 1.74 N.M ROHS MADE IN X www.applied-motion.com	

CONTRACT NO.	APPLIED MOTION PRODUCTS, INC.							
APPROVALS	DATE							
DRAWN R.JONEZ	8/20/09	STEP MOTOR OUTLINE						
CHECKED								
APPROVED		B	BASE DRAWING		DWG NO. HT23-599		REV D	
APPROVED		SCALE: NONE			SHEET 1 OF 2			



Mouser Electronics

Authorized Distributor

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

Applied Motion: HT23-599