

SPECIFICATIONS:	
STEPS PER REVOLUTION: 200	ROTOR INERTIA:260 G-CM ² (3.68E-03 oz-in-sec ²)NOM
STEP ANGLE: 1.8°	DETENT TORQUE: 0.040 N-m (5.66 oz-in) MIN
STEP TO STEP ACCURACY:±.09 DEGREE 1 , 2	INSULATION CLASS: B
POSITIONAL ACCURACY: ±.09 DEGREES 1 , 3	WEIGHT: 0.6 KG (1.32 LB)
RADIAL PLAY:0.02 mm MAX W/.5KG RADIAL LOAD	OPERATING TEMP. RANGE: -20 TO +50 °C
TEMP. RISE: 80 °C MAX. 8	STORAGE TEMP. RANGE: -30 TO +70 °C
RELATIVE HUMIDITY RANGE: 15 TO 85 %	

CONNECTION	3		7		1		1	
	SPECIFICATION	RESISTANCE PER PHASE OHM ±10%	INDUCTANCE PER PHASE mH ±20%	RATED CURRENT Amp	HOLDING TORQUE N-m Min	HOLDING TORQUE oz-in Min		
BI-POLAR SERIES		1.8	4.6	2.12	1.51	213.8		
BI-POLAR PARALLEL		0.45	1.15	4.24	1.51	213.8		
UNI-POLAR		0.9	1.15	3.00	1.07	151.5		

NOTES, UNLESS OTHERWISE SPECIFIED:

- 1

MEASUREMENTS MADE AT RATED CURRENT IN BOTH PHASES.

2

BETWEEN ANY TWO ADJACENT FULL STEP POSITIONS.

3

MEASUREMENTS MADE AT LEAD ENDS.

4

HIPOT 500 VAC, 60 Hz FOR ONE MINUTE.

5

LEADS: 8, 22 AWG, 7 STRAND MIN., UL AND CSA APPROVED, UL 1430 OR UL 3265.

6

INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.

7

AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1 kHz.
MEASUREMENTS MADE AT LEAD ENDS.

8

AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.

9

SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER.
DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTION.

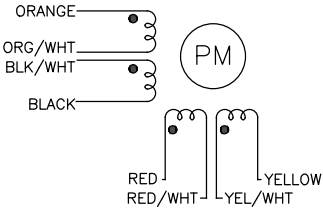
10

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.

WIRING DIAGRAM



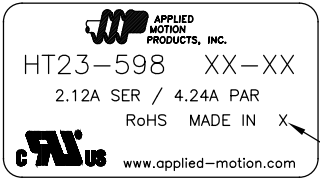
BI-POLAR, FULL STEP, 2 PHASE ON

STEP	ORANGE & BLK/WHT	BLACK & ORG/WHT	RED & YEL/WHT	YELLOW & RED/WHT
0	+	-	+	-
1	-	+	+	-
2	-	+	-	+
3	+	-	-	+
4	+	-	+	-

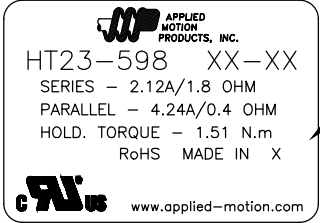
SWITCHING SEQUENCE FOR ROTATION FACING MOUNTING END.

HT23-598


REVISIONS				
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
5976	A	INITIAL RELEASE	8/28/09	J KORDIK
6090	B	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK
6345	C	DRAWING CLEANUP	9/20/11	E. RICE
6394	D	REVISE NOTE 5	11/7/11	E. RICE
6807	E	REVISE FLANGE THICKNESS	9/9/13	J KORDIK
7247	F	ADD UL TO LABEL	1/26/16	J KORDIK
7445	G	REVISE NOTE 10	6/6/16	J KORDIK
8209	H	SPECS UPDATED	4/29/19	J KORDIK



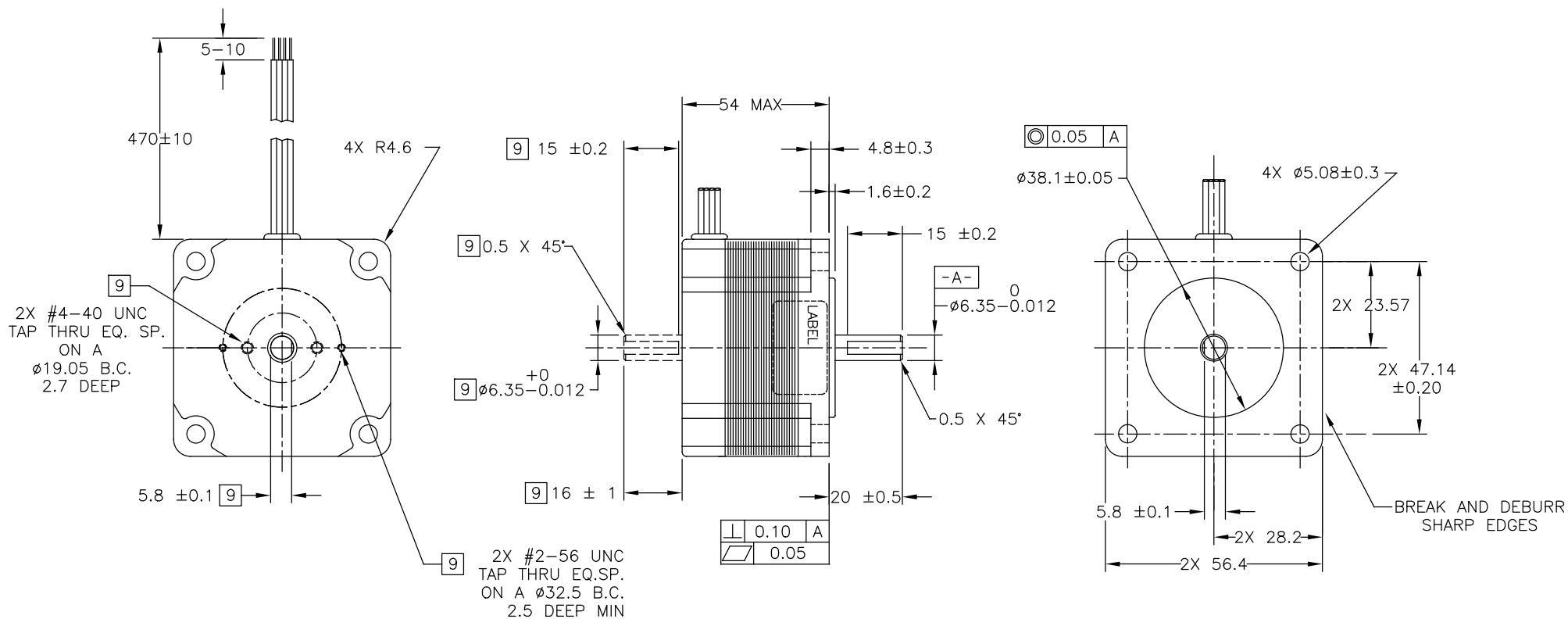
LABEL DETAIL
BOTH OPTIONS ACCEPTABLE





11

CONTRACT NO. —		 APPLIED MOTION PRODUCTS, INC.			
APPROVALS	DATE	STEP MOTOR OUTLINE			
DRAWN R.JONEZ	8/20/09				
CHECKED E.RICE	9/20/11				
APPROVED		B	COMPUTER DATA BASE DRAWING	DWG NO. HT23-598	REV H
APPROVED					
APPROVED		SCALE: NONE		SHEET 1 OF 2	

MOTOR DRAWING



TOLERANCES		THIRD ANGLE PROJECTION		 APPLIED MOTION PRODUCTS, INC.			
DECIMALS: MM (INCH) X.XXX= ±0.013 (.005) X.XX = ±0.25 (.01) X.X = ±2.5 (0.1) ANGLES: MACH. = ±.5° CHAM. = ±5°							
		APPROVALS	DATE	STEP MOTOR OUTLINE			
		DRAWN <i>R JONEZ</i>	<i>8/20/09</i>				
		CHECKED		B	DWG NO.	HT23-598	REV H
COMPUTER DATA BASE DRAWING		APPROVED			SCALE: NONE	SHEET 2 OF 2	