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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Find the *Applied Motion Products G38-96* at our website: *Click HERE*

SPECIFICATIONS:

STEPS PER REVOLUTION: 200	ROTOR INERTIA: 9.2 G-CM ^{2} (.05 OZ-IN^2) REF
STEP ANGLE: 1.8°	HOLDING TORQUE: 300 G-CM (4.1 OZ-IN)MIN [1]
STEP TO STEP ACCURACY: ±11 % [1], [2]	DETENT TORQUE: 36 G-CM (0.5 OZ-IN)
POSITIONAL ACCURACY: ±__ % [1], [3]	DYNAMIC TORQUE: (5 OZ-IN)MIN @ 1000 PPS [1]
HYSTERESIS: %	INSULATION CLASS: B
WINDING RESISTANCE: 31.5 OHM ±10% AT 25° [7]	BEARINGS: ABEC 3 , DOUBLE SHIELDED,NS7 GREASE
WINDING INDUCTANCE: 12.8mH ± 20% [8]	
PHASE VOLTAGE: 5.3 VDC	TEMP. RISE: 80°C MAX. [9]
PHASE CURRENT: .17 AMP (RATED)	OPERATING TEMP. RANGE: -10 TO 40 °C
	STORAGE TEMP. RANGE: -40 TO 70 °C
SHAFT RUNOUT: 0.013 T.I.R.	RELATIVE HUMIDITY RANGE: 5 TO 95 %
RADIAL PLAY: 0.01 MAX WITH .45KG RADIAL LOAD.	
END PLAY: 0.01 MAX WITH A 0.9 KG AXIAL LOAD.	

5014-833

REVISIONS

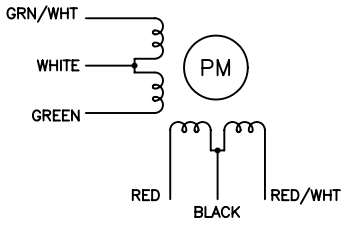
ECO NO.	REV	DESCRIPTION	DATE	APPROVED
3515	A	INITIAL RELEASE	1/15/90	B. CORSER
3526	B	SEE ECO	2/23/90	B. Corser
3644	C	REMOVED STUDS, SEE ECO	5/23/91	K. Kordik
3649	D	SEE ECO	6-14-91	K. Kordik
3670	E	SEE ECO	9-10-91	K. Kordik
3703	F	CHANGED LEAD LENGTH	3-24-92	K. Kordik
3810	G	ADD NOTE 13 & NS7 GR'SE	6-03-93	K. Kordik
4060	H	MULTIPLE CHGS SEE ECO	10-20-97	K. Kordik
5235	J	ADD ROHS COMPLIANCE	5-22-07	J. Kordik

NOTES, UNLESS OTHERWISE SPECIFIED:

[1] MEASURMENTS MADE AT RATED CURRENT IN EACH PHASE, FULL STEPPING.
[2] BETWEEN ANY TWO ADJACENT STEP POSITIONS.
[3] MAXIMUM ERROR IN 360°.
4. HIPOT 500 VAC FOR ONE MINUTE.
5. LEADS: 6 ,AWG 26,7 STRAND MIN.,UL AND CSA APPROVED, UL 1061.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
[7] AS MEASURED ACROSS ANY WINDING.
[8] AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE (1 KHz).
[9] AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
[10] SHAFT OPTION: IF REAR SHAFT REQUIRED ADD "D" TO END OF P/N.
11. FRONT AND REAR END BELLS: UNPAINTED ALUMINUM.
12. STATOR LAMINATION MATERIAL: 0.5mm thk, SEE AMP SPEC #1500-063. ROTOR: SOLID.
13. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
14. MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT.

SWITCHING SEQUENCE FOR CW ROTATION
FACING MOUNTING END

STEP	RED	RED/WHT	GREEN	GRN/WHT
0	ON	OFF	ON	OFF
1	OFF	ON	ON	OFF
2	OFF	ON	OFF	ON
3	ON	OFF	OFF	ON
4	ON	OFF	ON	OFF



CONTRACT NO. CAT

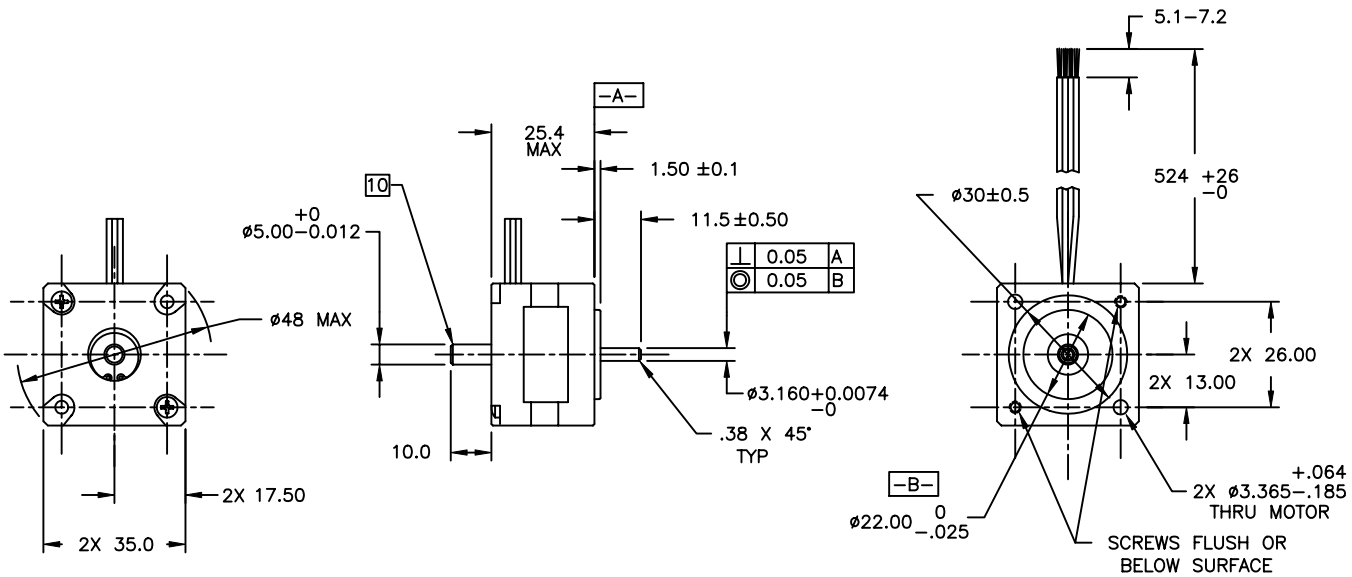
APPLIED MOTION PRODUCTS, INC.

APPROVALS	DATE
DRAWN R. BARRICK	11/13/89
CHECKED B. Corser	10/11/97
APPROVED K. Kordik	5/29/91
APPROVED B. Corser	1/15/90

STEP MOTOR OUTLINE

B | COMPUTER DATA BASE DRAWING | DWG NO. 5014-833 | REV J

SCALE: FULL | SHEET 1 OF 2



TOLERANCES

DECIMALS: MM (INCH)
X.XXX= ±0.01 (.005)
X.XX = ±0.10 (.010)
X.X = ±0.20 (.020)
ANGLES:
MACH. = ±.5°
CHAM. = ±5°

THIRD ANGLE PROJECTION

APPLIED MOTION PRODUCTS, INC.

APPROVALS	DATE
DRAWN R. BARRICK	11/13/89
CHECKED B. Corser	10/11/97
APPROVED B. Corser	1/15/90

STEP MOTOR OUTLINE

B | COMPUTER DATA BASE DRAWING | DWG NO. 5014-833 | REV J

SCALE: 1=1 | SHEET 2 OF 2

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