SPECIFICATIONS:					REVISIONS		
STEPS PER REVOLUTION: 200 ROTOR INERTIA: 480 G-CM ² (2.62 OZ-IN ²) NOM	1		ECO NO.	REV	DESCRIPTION	DATE	APPROVED
STEP ANGLE: 1.8* HOLDING TORQUE: 13.5KG-CM (187 OZ-IN)MIN	1 1	<u>ග</u>	3987	A	INITIAL RELEASE		X. Kordik
STEP TO STEP ACCURACY: ± 5 % 1, 2 DETENT TORQUE: 800 G-CM (11.11 0Z-IN) MIN	-4	Ś		-		0/10/90	N. Nordik
POSITIONAL ACCURACY: ± 5 % 1,3		ကု	5007	В	ADD"23HT39D"IF DBL SHFT		
HYSTERESIS: % INSULATION CLASS: B		က်	5235	C	ADD EU COMPLIANCE NOTES	8/25/05	R. Hazelwood
WINDING RESISTANCE: 8.2 OHM ±10% AT 25° 7 BEARINGS: ABEC 3, DOUBLE SHIELDED	1 1	Ω	6006	D	ADD ENV DRAWING/ ENC HOLES	10/20/09	J KORDIK
WINDING INDUCTANCE: 14 mH ± 20% 8 WEIGHT: 1.0 KG (2.2 LB)	1	ΕH	6090	-	STANDARDIZE ENCODER HOLES	3/29/10	J KORDIK
PHASE VOLTAGE: 8.2 VDC			0030	-	STANDARDIZE ENCODER HOLES	3/23/10	J KOKDIK
PHASE CURRENT: 1.0 AMP [(RATED) UNIPOLAR] OPERATING TEMP. RANGE: -20 TO +50 °C	" L						
STORAGE TEMP. RANGE: -40 TO 70°C	1						
SHAFT RUNOUT: 0.05 T.I.R. RELATIVE HUMIDITY RANGE: 5 TO 95 %	1						
RADIAL PLAY: 0.025 MAX W/A .5KG RADIAL LOAD.	1						
END PLAY: 0.075 MAX W/A 1KG AXIAL LOAD.	1						
	1						L
	1						
5 LEADS: 8 ,AWG 22,7 STRAND MIN.,UL AND CSA APPROVED, UL 3265.							
 insulation resistance: 100 megohns min at 500 vDc. as measured across any winding, resistance is doubled with both windings in series. as measured across any winding using an a.c. inductance bridge, at 1kHz. Inductance is voltage applied to 2 phases; with motor at rest. High torque motor design, microstep lamination. Rotor & Stator Lamination Material: 0.5mm thk, see AMP StD SPEC #1500-062. Shaft option: IF double shaft required add "0" to end of part number. Double Shaft requires added holds. High to reque motor to be manufactured in compliant. To end of part number. House the charge in compliant, "made in (country of origin)" and date code. Motor Label to include "Rohs" compliant, "made in (country of origin)" and date code. 	FOUR	TIMES \	VALUE WITH	WINE	INGS IN SREIES. LABEL DETAIL INFORMATION HT23-399 XX-XX RoHs MADE IN X WWW.applied-motion.com		-14
 AS MEASURED ACROSS ANY WINDING, RESISTANCE IS DOUBLED WITH BOTH WINDINGS IN SERIES. AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1KH2. INDUCTANCE IS AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION. ROTOR & STATOR LAMINATION MATERIAL: 0.5mm thk, SEE AMP STD SPEC #1500-062. SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER. DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC". MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, 'MADE IN (COUNTRY OF ORIGIN)' AND DATE CODE. SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END ORANGE ORANGE 	FOUR	CONTR	VALUE WITH		LABEL DETAIL WWW.COPPIEd-motion.com	D TS. INC.	-14
Image: Provide the state of the state	FOUR	CONTF TS DRAWN CHECK	RACT NO. C/ 63653N3E7 APPROVALS R. BARRICK (ED)B. Conser	AT D 8/3	LABEL DETAIL MEDICIN, INC. HT23-399 XX-XX ROHS MADE IN X WWW.applied-motion.com MOTION PRODUC ATE 15/96 STEP MOTOF	rs, inc. ROUTI	LINE
Image: Sequence for cw rotation for the sequence for cw rotation for the sequence for compliant. ORANGE Switching sequence for cw rotation for the sequence for the sequence for compliant. ORANGE Switching sequence for cw rotation for the sequence for the sequence for compliant. ORANGE Switching sequence for cw rotation for the sequence for the sequence for compliant. ORANGE Switching sequence for cw rotation for the sequence for cw rot	FOUR	CONTE TS DRAWN	RACT NO. C/ 63653N3E7 APPROVALS R. BARRICK (ED)B. Conser	AT D B /1 > 8/1	LABEL DETAIL MEDICINA MA HT23-399 XX-XX RoHS MADE IN X WWW.applied-motion.com ATE 5/96 5/96 D COMPUTER DATA DWG NO	rs, inc. ROUTI	LINE

