SPECIFICATIONS:

STEPS PER REVOLUTION: 200
STEP ANGLE: 1.8°
STEP TO STEP ACCURACY: ±5%
POSITIONAL ACCURACY: ±5%
Hysteresis: %
WINDING RESISTANCE: 0.63 OHM ±10% AT 25°
WINDING INDUCTANCE: 0.6 mH ±20%
PHASE VOLTAGE: 1.9 VDC
TEMP. RISE: 80°C MAX.
PHASE CURRENT: 3.0 AMP [RATED] UNIPOLAR
OPERATING TEMP. RANGE: −20 TO +50°C
SHAFT RUNOUT: 0.05 T.I.R.
RELATIVE HUMIDITY RANGE: 5 TO 95%
RADIAL PLAY: 0.025 MAX W/A .5KG RADIAL LOAD
END PLAY: 0.075 MAX W/A 1KG AXIAL LOAD

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 AWG 22,7 STRAND MIN.,UL AND CSA APPROVED, UL 3265.
6. INSULATION RESISTANCE: 100 MEGOHMS MIN AT 500 VDC.
7. AS MEASURED ACROSS ANY WINDING, RESISTANCE IS DOUBLE W/THO WINDINGS IN SERIES.
8. AS MEASURED ACROSS ANY WINDING USING AN A.C. INDUCTANCE BRIDGE, AT 1kHz. INDUCTANCE IS FOUR TIMES VALUE W/WINDINGS IN SERIES.
9. AS MEASURED BY THE CHANGE IN RESISTANCE METHOD, WITH RATED
VOLTAGE APPLIED TO 2 PHASES; WITH MOTOR AT REST.
10. HIGH TORQUE MOTOR DESIGN, MICROSTEP LAMINATION.
11. ROTOR & STATOR LAMINATION MATERIAL: 0.5mm thk, SEE AMP STD SPEC #1500-062.
12. SHAFT OPTION: IF DOUBLE SHAFT REQUIRED ADD "D" TO END OF PART NUMBER.
DOUBLE SHAFT REQUIRES ADDED HOLES FOR ENCODER OPTIONS.
13. THIS MOTOR TO BE MANUFACTURED IN COMPLIANCE WITH EU DIRECTIVE "ROHS 2002/95/EC".
14. MOTOR LABEL TO INCLUDE "ROHS" COMPLIANT, "MADE IN (COUNTRY OF ORIGIN) AND DATE CODE.

SWITCHING SEQUENCE FOR CW ROTATION FACING MOUNTING END

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LABEL DETAIL

HT23-395 XX-XX
RoHS Made In X
www.applied-motion.com

STEP MOTOR OUTLINE

Contract No. CAT
TS3653N1E3

Approvals
Date
Dr. Barrow 8/13/96

Computer Data
Base Drawing
Dwg. No.
HT23-395 REV E

Scale 1:1
Sheet 1 of 2