SPECIFICATIONS:

STEPS PER REVOLUTION: 200
ROTOR INERTIA: 35.0 G-CM^2 (0.19 OZ-IN^2) REF
STEP ANGLE: 1.8°
HOLDING TORQUE: 1.6KG-CM (22.2 OZ-IN) MIN
STEP TO STEP ACCURACY: ±5 % [11, 2]
DETENT TORQUE: 36 G-CM (0.5 OZ-IN) MIN
POSITIONAL ACCURACY: ±5 % [11, 3]
HYSTERESIS: = %
INSULATION CLASS: B
WINDING RESISTANCE: 4.2 OHM ±10% AT 25°
BEARINGS: ABEC 3, DOUBLE SHIELDED
WINDING INDUCTANCE: 2.8 mH ± 20% [8]
WEIGHT: 200 G (7.0 OZ) APPROXIMATE
PHASE VOLTAGE: 4.0 VDC
TEMP. RISE: 80°C MAX.
PHASE CURRENT: .95 AMP (RATED)
OPERATING TEMP. RANGE: -10 TO 40 °C
SHAFT RUNOUT: 0.013 T.I.R.
RELATIVE HUMIDITY RANGE: 5 TO 95 %
RADIAL PLAY: 0.025 MAX WITH .5KG RADIAL LOAD.
END PLAY: 0.075 MAX WITH 1.0KG 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. H.I.P.O.T 500 VAC FOR ONE MINUTE.
5. LEADS: B ,AWG 26,7 STRAND MIN,.UL AND CSA APPROVED, UL 3265.
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. HIGH TORQUE MOTOR DESIGN.
11. ROTOR & STATOR LAMINATION MATERIAL: 0.5mm thk, SEE AMP STD SPEC #1500–062.
12. IF DOUBLE SHAFT IS REQUIRED, ADD "D" TO END OF PART NUMBER.
13. THIS MOTOR IS MANUFACTURED IN COMPLIANCE WITH THE CURRENT EU RoHS DIRECTIVE.
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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REVISIONS

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LABEL DETAIL

HT17–068 XX–XX
RoHS MADE IN X
.95 A, .42 OHM
.16 Hz HOLDING TORQUE
www.applied-motion.com

STEP MOTOR OUTLINE

CONTRACT NO.  CAT

APPROVALS DATE
DRAWN R Barrick 1/10/94
CHECKED R. Carson 9/16/94
APPROVED X. Kordik 9/16/94
APPROVED

SCALE: FULL
SHEET 1 OF 2