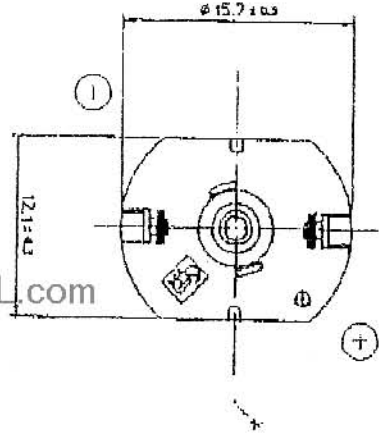
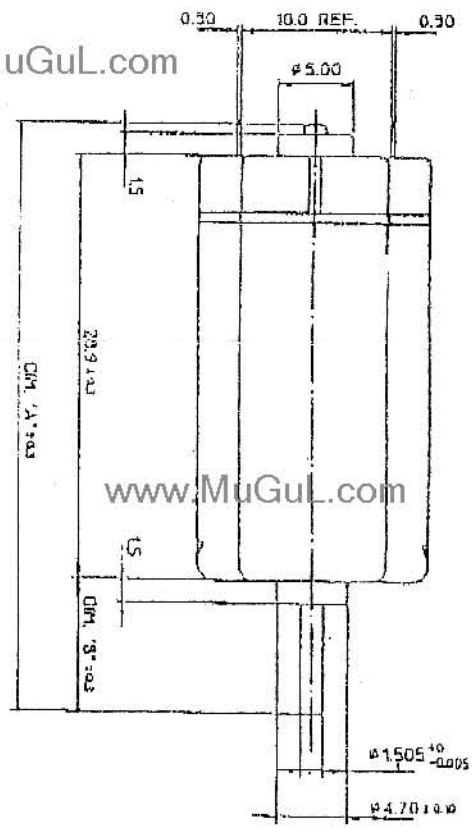
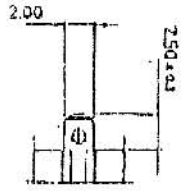
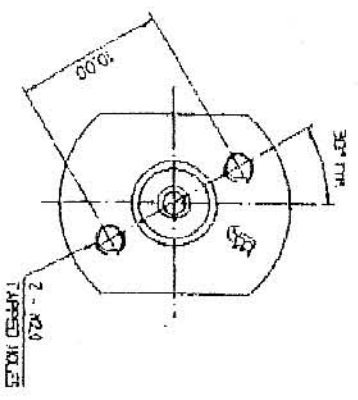


ROTATION



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- NOTES :
1. LENGTH OF SHAFT, DIM. 'A' 38.0 MM
 2. FRONT EXTENSION, DIM. 'B' 7.0 MM, MEASURED WITH SHAFT PUSHED AGAINST END CAP.
 3. ROTATION - ANTI-CLOCKWISE WHEN VIEWING MOTOR OUTPUT END WITH POSITIVE VOLTAGE APPLIED TO POSITIVE TERMINAL.
 4. END PLAY 0.50 MAX.
 5. ANY VENTILATION HOLES IN THE MOTOR SHOULD NOT BECOME BLOCKED IN FINAL PRODUCT WITHOUT CONSULTATION WITH JOHNSON.

ALL DIMENSIONS ARE IN MILLIMETRES

DO NOT SCALE DRAWING

TITLE		NO. OF SETS	
MOTOR OUTLINE		1	
AUT. DESIGNED		DATE	
MATERIAL		BY	
FINISH		DATE	
DESCRIPTION		BY	
1.000 PLACES = 0.2		DATE	
1.000 PLACES = 0.5		DATE	
1.000 PLACES = 1.000		DATE	
ANGULAR = 1/100		DATE	
SCALE	1:1	DATE	
OWN. BY	AK	DATE	14/5/95
CHK. BY		DATE	
APP. BY		DATE	
DWG. NO.		DATE	
JOHNSON ELECTRIC ENGINEERING LTD.		A3	
3, Johnson Electric Group Company			
JOHNSON BUILDING, CHAI WAN, HONG KONG.			
920182/08/95			

JOHNSON ELECTRIC GROUP OF COMPANIES ("JOHNSON ELECTRIC")
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**JOHNSON
ELECTRIC**

JOHNSON ELECTRIC INDUSTRIAL MANUFACTORY LTD.

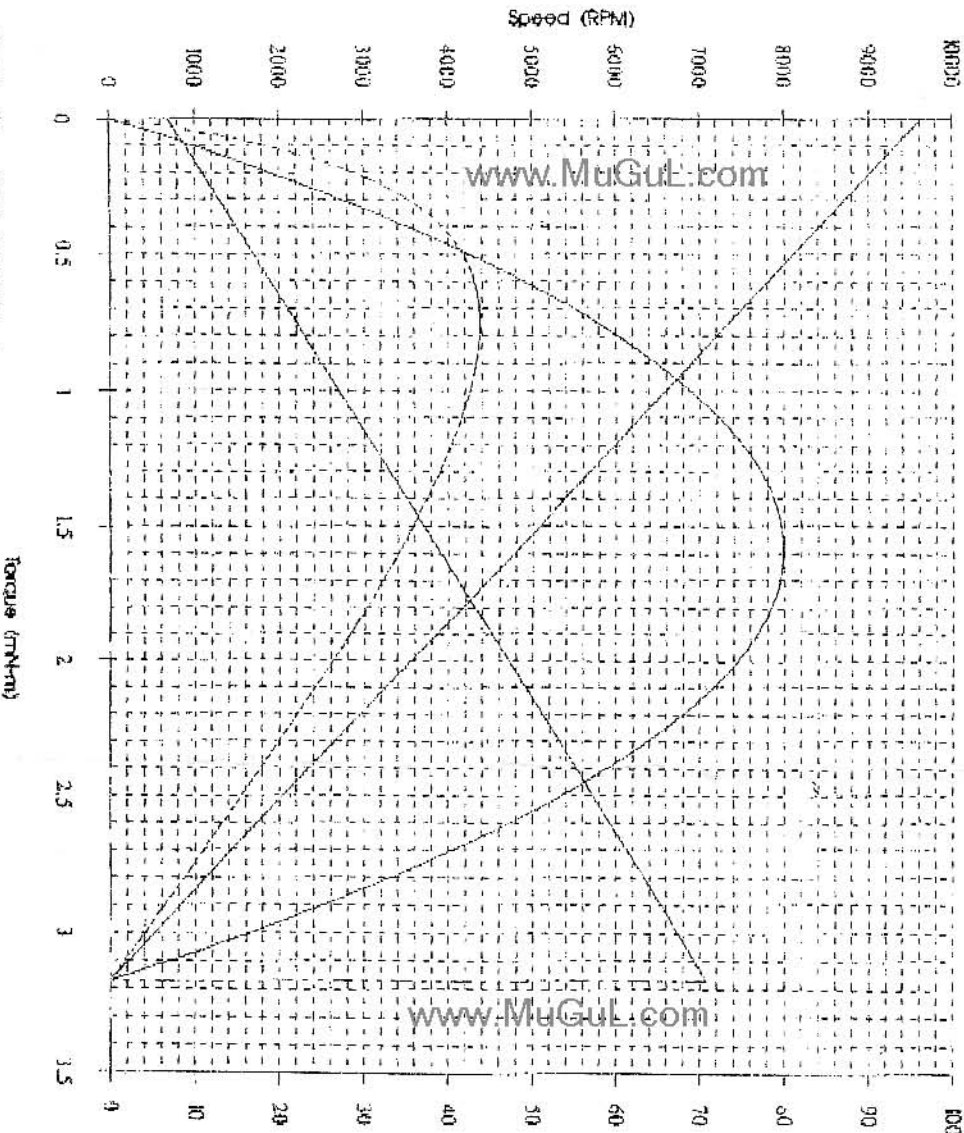
30 years of excellence in micro motors

Johnson Building, 14-16 Lee Chung Street, Hong Kong

SCF NO : 23497 93D162/05/04 /
 Winding : 25 - 31.0
 Motor test reference no : NF013GUS1150291V0 (CCW)

Date : 13/03/95

Full scale : ——— 100 % eff
 - - - - - 1.0 watt
 _____ 5.0 amp



Performance (in an ambient temperature of 25-30 °C)
 Motor tested rapidly to prevent significant temperature rise.
 At a constant voltage of : 1.20 Volts
 With a circuit resistance of : 0.000 Ohms

At NO LOAD

Speed : 9627 RPM
 Current : 0.342 AMPS

At full (Extrapolated)

Torque : 3.172 mN-m
 Current : 3.542 AMPS

At maximum efficiency/

Efficiency : 43.7%
 Torque : 0.761 mN-m
 Speed : 7317 RPM
 Current : 1.110 AMPS

At maximum Power output

Output : 0.80 Watts
 Torque : 1.586 mN-m
 Speed : 4814 RPM
 Current : 1.942 AMPS

Characteristics

Torque constant : 0.991 mN-m/AM
 E.M.F. constant : 0.991 mV/rod/sec
 Dynamic resistance : 0.339 Ohms
 Motor regulation : 3034.500 PRM/mN-m

Issued by Sampling Dept.

COMPARISON WITH OTHER MOTOR CHARACTERS
 Performance and characteristics are measured based on listed motor samples only.

Torque (mNm)

Speed (RPM)

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