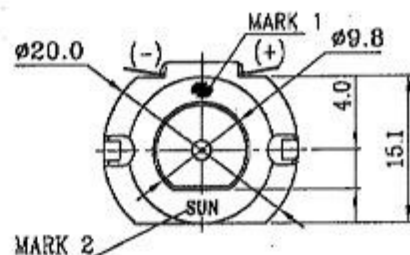
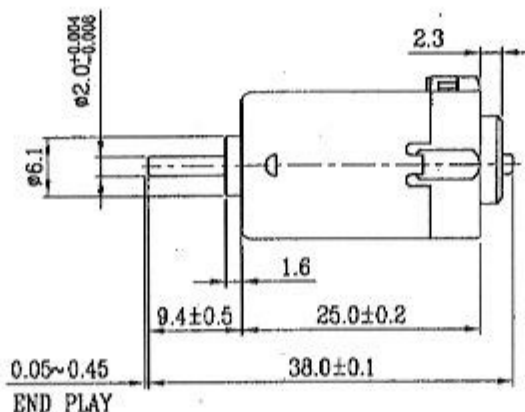
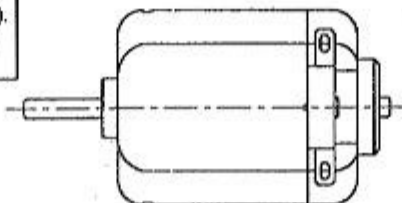
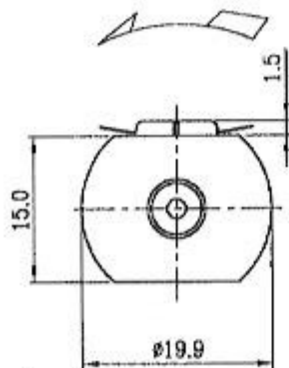


REMARKS

- 1) WHEN PRESS FITTING A GEAR, PULLEY OR ANYTHING ALIKE ONTO MOTOR OUTPUT SHAFT, DO PUSH THE OTHER SHAFT END VERTICALLY, DON'T PUSH THE REAR BRACKET
- 2) SOLDERING TEMPERATURE AND TIME MUST BE 360°C(3SEC) OR 400°C(2SEC).
- 3) MEASURING THE DIMENSION OF THE SHAFT EXTENSION WHEN THE OTHER END OF THE SHAFT IS AGAINST THE REAR BRACKET END.

DIRECTION OF ROTATION



CONFIRMED & ACCEPTED BY CUSTOMER
Company, Chap & Signature

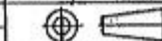
MODEL NO. S10-2270-38Z-02

SSO#: 57882

REV APP'D 0 DO NOT SCALE DRAWING

TOLERANCE EXCEPT AS NOTED

1PL DECIMAL	2PL DECIMAL	ANGLE
±0.15	±0.1	±2°



CUSTOMER NO.

REV.	WAS	DES'D	APP'D	DATE	DATE

MOTOR OUTGOING SPECIFICATION

馬達出廠規格

Model No. : S10-2270-38Z-02

SSO#: 57882

REV : 0

1. Motor Type:

馬達類型

Small PMDC motor

微型直流馬達

2. Standard Operating Conditions:

標準工作條件

2-1 Rated Voltage(額定電壓):

3.0V DC CONSTANT between motor terminals(端子穩壓3.0V).

2-2 Direction of Rotation(旋轉方向):

CCW when viewed from output shaft side(從輸出軸端看CCW).

2-3 Operation Temperature Range(工作溫度範圍):

Between 0°C and 50°C(在0°C ~ 50°C)

2-4 Operation Humidity Range(工作濕度範圍):

Between 5% and 95%(在5%~95%)

3. Measuring Conditions:

測試條件

3-1 Motor Position(馬達放置狀態):

Motor to be held with shaft horizontally(馬達測試時水平放置).

3-2 Power Supply(電源):

Regulated power supply which assures unquestionable measurement(確保測試沒問題的穩壓電源).

3-3 Environment Temperature and Humidity(環境溫度及濕度):

The test is made in principle at a temperature between 15°C and 35°C and at a relative humidity 75%(一般在15°C~35°C及相對濕度75%的環境下測試).

4. Electrical Characteristics (at initial stage after 30 seconds run-in):

電氣特性(起動30秒后的初始階段)

4-1 No Load Current(無負荷電流):

0.34A max.

4-2 No Load Speed(無負荷轉速):

16400±2460rpm.

4-3 No Load Starting Voltage(無負荷起動電壓):

0.6Vmax

4-4 Rated Load(額定負載):

8.0 g-cm.

4-5 Rated Load Current(額定負載電流):

1.07A max.

4-6 Rated Load Speed(額定負載轉速):

13100±1570rpm.

4-7 Fan Load Current(風葉負載電流):

1.28A max.

4-8 Fan Load Speed(風葉負載轉速):

12900±1550rpm.

4-9 Fan Load(風葉負載):

I-shaped fan load with size 30x15.0mm(approximately equivalent to 9.4g-cm).
30X15.0mm一字形風葉(大約等于9.4g-cm)

4-10 Motor Characteristic Curve(馬達性能曲線):

See Motor Performance Curves And Characteristics(見馬達特性曲線圖).

5. Mechanical Characteristics:

機械特性

5-1 Dimensions(外形尺寸):

As Per Drawing attached(所附圖面57882)

5-2 End Play(端位):

0.05~0.45 mm

5-3 Runout of Shaft Extension(軸突端跳動):

0.05 mm max.

CONFIRMED & ACCEPTED BY CUSTOMER

客戶接受及確認

COMPANY, CHOP & SIGNATURE

蓋章及簽名

DATE:

2005-01-06

PREPARED BY: 李進才 CHECKED BY: 1

APPROVED BY: 李進才 1/2/05

Part List

Model No. : S10-2270-38Z-02

SSO#:57882

REV. : 0

1. Plastic Cap

- a) Manufacturer : Taita chemical co.,Ltd
- b) Material : Acrylonitrile butadiene styrene.

2. Body Casing

- a) Material : Electrolyti zinc plated steel sheet SECC.

3. Leaf Spring

- a) Material : Phosphor bronze.

4. Lamination

- a) Material : Laminated silicon steel.

5. Armature Magnet Wire

- a) Manufacturer : Tai-I Electrical Wire & Cable Co., Ltd.
 - b) Material : Polyurethane coated copper wire, UEW.
 - c) UL File No. : E85640 (S)
- OR
- a) Manufacturer : Xin Long Magnet Wire Co.,Ltd.
 - b) Material : Polyurethane coated copper wire, UEW.
 - c) UL File No. : E171082 (S)

6. Magnet

- a) Material : Isotropic ferrite magnet.

7. Commutator

- a) Material : Three copper bars insulated from shaft by glass reinforced 66 nylon.

PREPARED BY: 3/1/2005

CHECKED BY: /

APPROVED BY: 2005-04-06

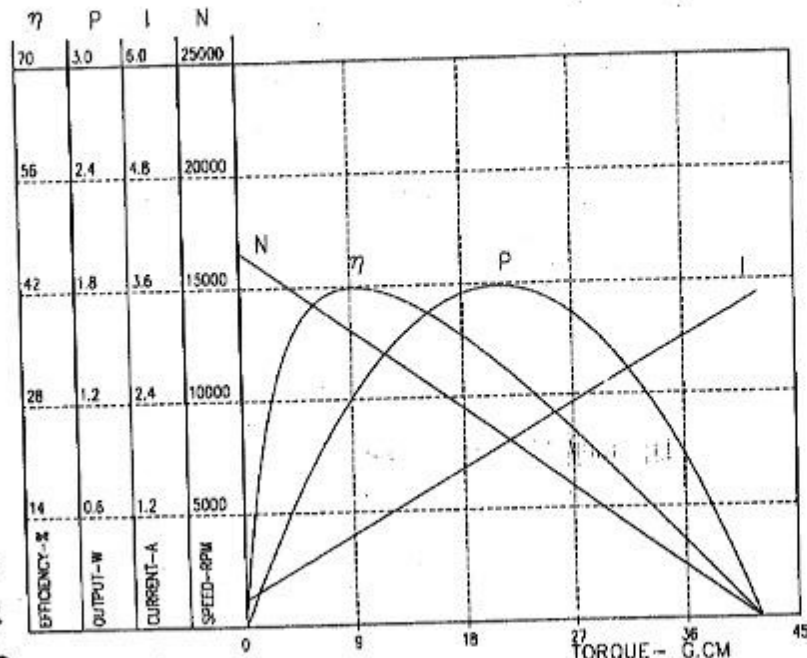
MOTOR PERFORMANCE CURVES AND CHARACTERISTICS.

馬達特性曲線

MODEL: S10-2270-38Z-02

VOLTAGE: 3.0 V

SSO#: 57882



PERFORMANCE (性能)

AT NO. LOAD (無負荷時)

SPEED (轉速) = 16600 RPM
CURRENT (電流) = 0.280 AMP

AT STALL EXTRAPOLATION (停轉時)

TORQUE (力矩) = 42.0 G.CM
CURRENT (電流) = 3.450 AMP

AT MAXIMUM EFFICIENCY (最大效率時)

EFFICIENCY (效率) = 41.85 %
SPEED (轉速) = 12919 RPM
TORQUE (力矩) = 9.3 G.CM
CURRENT (電流) = 0.983 AMP
OUTPUT (功率) = 1.234 WATTS

AT MAXIMUM OUTPUT (最大輸出功率時)

SPEED (轉速) = 8300 RPM
TORQUE (力矩) = 21.0 G.CM
CURRENT (電流) = 1.725 AMP
OUTPUT (功率) = 1.788 WATTS

THE CURVES REPRESENT THE THEORETICAL PERFORMANCE OF THE SAMPLE ONLY.
此圖僅供參考，不保證其準確性。

PREPARED BY: 李世來

REVIEWED BY: 1

APPROVED BY: 李世來 4/2/05

2005-01-06