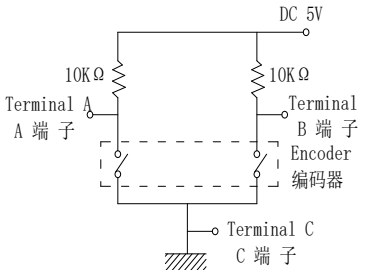
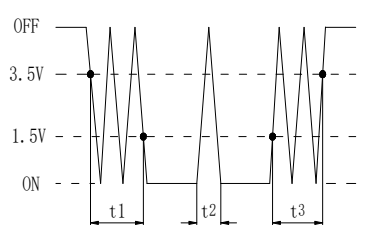
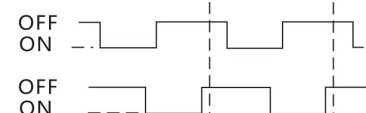




ISO 9001 國際品質認證
ISO 9001 CERTIFICATE

松 暉 電 機 工 業 股 份 有 限 公 司
SONG HUEI ELECTRIC CO., LTD.
佛 山 市 松 暉 電 機 科 技 有 限 公 司
FOSHAN SONG HUEI ELECTRIC CO., LTD.

一般事項 General	
使用溫度範圍 Operating temperature	-30 °C ~ 80 °C
儲存溫度 Storage temperature	-40 °C ~ 85 °C
電氣特性 Electrical Characteristics	
額定功率 Power rating	DC 5 V 0.5 mA
絕緣阻抗 Insulation resistance	$\geq 100 \text{ M}\Omega$ at DC 250 V
耐電壓 Withstand voltage	For 1 minute or more (at AC 300 V)
滑動雜訊 Sliding noise	$t_1, t_3 \leq 3 \text{ mS}$, $t_2 \leq 2 \text{ mS}$ (Test conditions 測試條件: $360^\circ / \text{S}$) Using the C / R filter circuit is recommended 建議使用 C / R 濾波電路  
分解能力 Resolution	☐ 10 pulses / 360 ° for each phase 每相 10 脈衝 / 360 ° ☐ 20 pulses / 360 ° for each phase 每相 20 脈衝 / 360 °
相位差 Phase difference	$\Delta T = 0.21 \pm 0.17 \text{ T}$
輸出信號和旋轉方向 Output signal and rotational direction	順時針方向 A Signal  C.W direction B Signal 
機械特性 Mechanical Characteristics	
全回轉角度 Total rotational angle	360 °
全回力矩 Rotational torque	30 ~ 150 gf.cm
定位點數及位置 Number and position detent	20 detents (Step angle: $18^\circ \pm 2^\circ$)
回轉壽命 Rotational life	10,000 cycles at a speed of 600 cycles / per hour 每小時 600 圈的速度測試
焊錫耐熱性 Soldering heat resistance	手焊: 300 °C 以下, 3 秒以內。 自動或半自動機台焊錫條件: 預熱基板表面溫度 100 °C 以下, 時間 1 分以內, 焊接溫度 $260 \pm 5^\circ \text{C}$ 以下, 時間 3 秒以內。 Manual soldering: less than 300 °C and within 3 seconds. For automated or semi-automated soldering equipments: Preheating surface temperature of board: less than 100 °C and within 1 min. Solder temperature: $260 \pm 5^\circ \text{C}$ or less. Immersion time: within 3S.
濕度測試 Humidity test	溫度 $40 \pm 2^\circ \text{C}$, 濕度 90 ~ 95% 的恒溫恒濕槽中放置 96 ± 4 小時後, 在常溫、常濕中放置 1.5 小時後測試。 The encoder shall be stored at temperature of $40 \pm 2^\circ \text{C}$ with relative humidity of 90% to 95% for $96 \pm 4 \text{ H}$ satisfied in a thermostatic chamber. And the encoder shall be subjected to standard atmospheric conditions for 1.5H. After which measurements shall be made.

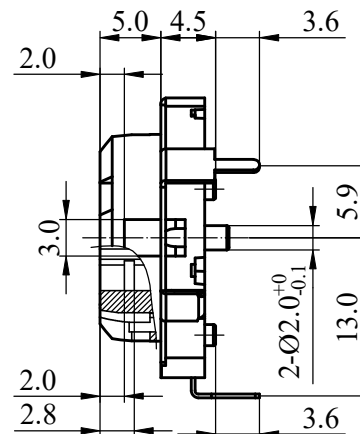
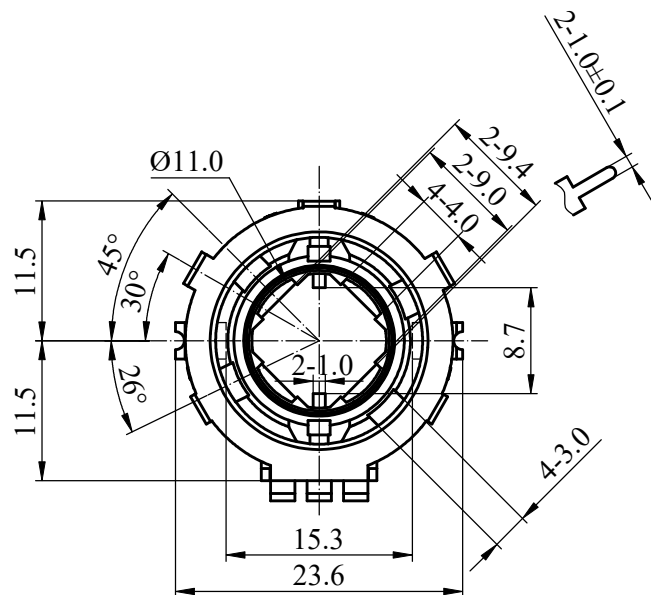


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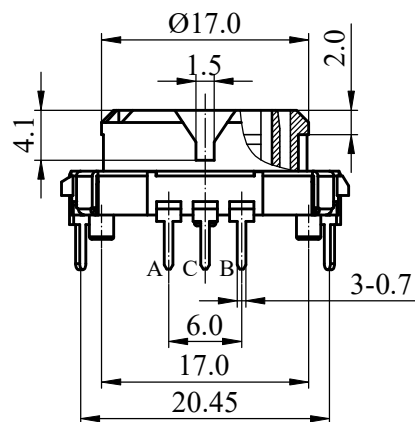
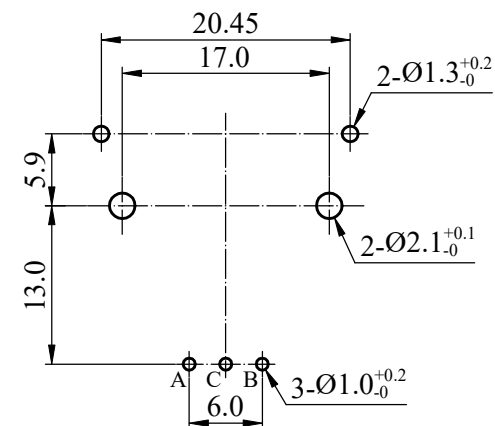
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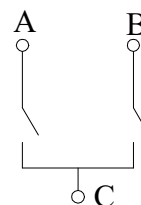
高溫測試 Heat test	溫度 $80 \pm 3^{\circ}\text{C}$ 的恒溫箱中放置 96 ± 4 小時後, 在常溫、常濕中放置1.5小時後測試。 The encoder shall be stored at temperature of $80 \pm 3^{\circ}\text{C}$ for $96 \pm 4\text{H}$ satisfied in a thermostatic chamber. And the encoder shall be subjected to standard atmospheric conditions for 1.5H. After which measurements shall be made.
低溫特性 Cold test	溫度 $-25 \pm 3^{\circ}\text{C}$ 的恒溫箱中放置 96 ± 4 小時後, 在常溫、常濕中放置1.5小時後測試。 The encoder shall be stored at temperature of $-25 \pm 3^{\circ}\text{C}$ for $96 \pm 4\text{H}$ satisfied in a thermostatic chamber. And the encoder shall be subjected to standard atmospheric conditions for 1.5H. After which measurements shall be made.



Mounting Hole



CIRCUIT



Non notation tolerance	
< 10	±0.3
10 ~ 100	±0.5
> 100	±0.8



SONG HUEI ELECTRIC CO., LTD.
FOSHAN SONG HUEI ELECTRIC CO., LTD.

MODEL: EC025-001/0496

Approval



Checked



Projected



UNIT

mm

SCALE

1.5:1

VERSION

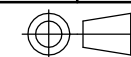
1.0

DATE

2019.11.27

DRAWING
NO.

ED-110



ISSUE

SUBJECT

NAME

DATE

RECORD