



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.

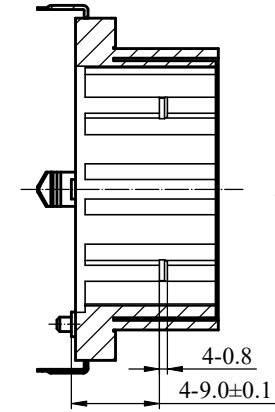
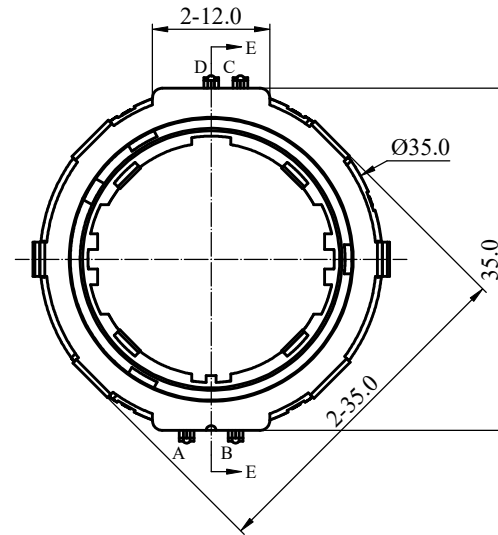
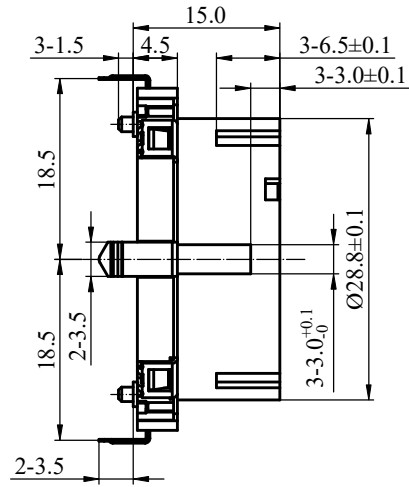
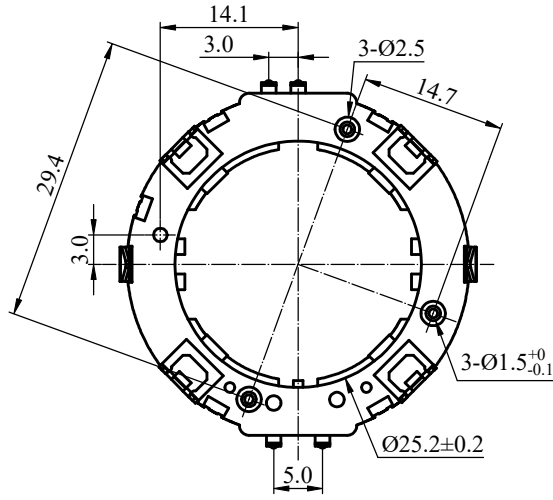
一般事項 General																					
使用溫度範圍 Operating temperature	-30 °C ~ 80 °C																				
儲存溫度 Storage temperature	-40 °C ~ 85 °C																				
電氣特性 Electrical Characteristics																					
額定功率 Power rating	DC 5 V 0.5 mA																				
絕緣阻抗 Insulation resistance	≥ 100 MΩ at DC 250 V																				
耐電壓 Withstand voltage	For 1 minute or more (at AC 300 V)																				
滑動雜訊 Sliding noise	<p>t1, t3 ≤ 3 mS, t2 ≤ 2 mS (Test conditions 測試條件: 360 ° / S) Using the C / R filter circuit is recommended 建議使用 C / R 濾波電路</p>																				
分解能力 Resolution	10 pulses / 360 ° for each phase 每相 10 脈衝 / 360 °																				
輸出信號和旋轉方向 Output signal and rotational direction	<table border="1"> <tbody> <tr> <td rowspan="3">順時針方向 C. W</td> <td>A (A-D端子間) A (Terminal A-D)</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>B (B-D端子間) B (Terminal B-D)</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>C (C-D端子間) C (Terminal C-D)</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td rowspan="3">逆時針方向 C. C. W</td> <td>A (A-D端子間) A (Terminal A-D)</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>B (B-D端子間) B (Terminal B-D)</td> <td>OFF</td> <td>ON</td> </tr> <tr> <td>C (C-D端子間) C (Terminal C-D)</td> <td>OFF</td> <td>ON</td> </tr> </tbody> </table>	順時針方向 C. W	A (A-D端子間) A (Terminal A-D)	OFF	ON	B (B-D端子間) B (Terminal B-D)	OFF	ON	C (C-D端子間) C (Terminal C-D)	OFF	ON	逆時針方向 C. C. W	A (A-D端子間) A (Terminal A-D)	OFF	ON	B (B-D端子間) B (Terminal B-D)	OFF	ON	C (C-D端子間) C (Terminal C-D)	OFF	ON
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機械特性 Mechanical Characteristics																					
全回轉角度 Total rotational angle	360 °																				
全回力矩 Rotational torque	100 ~ 300 gf.cm																				
定位點數及位置 Number and position detent	30 detents (Step angle: 12 ° ± 2 °)																				
回轉壽命 Rotational life	30,000 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	<p>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 ± 5 °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±5°C or less. Immersion time: within 3S.</p>																				



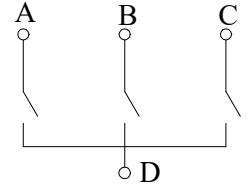
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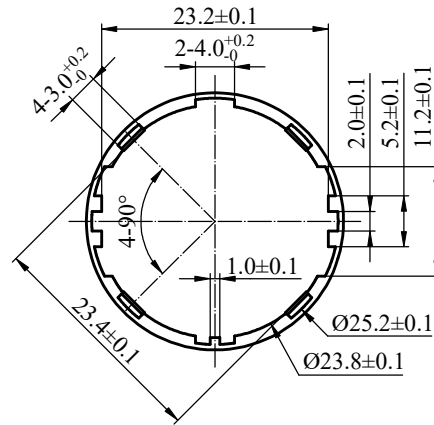
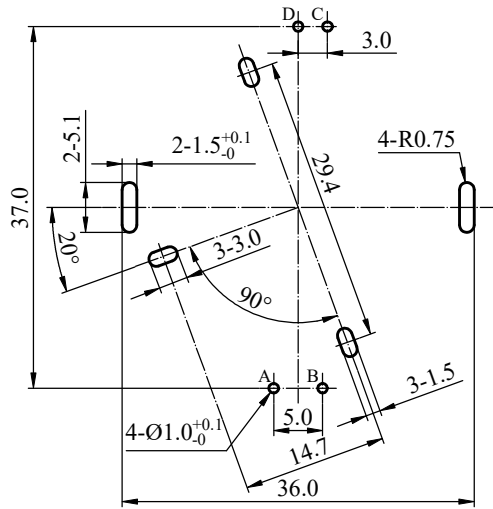
濕度測試 Humidity test	溫度 $40 \pm 2^{\circ}\text{C}$, 濕度90 ~ 95%的恒溫恒濕槽中放置 96 ± 4 小時後, 在常溫、常濕中放置1.5小時後測試。 The encoder shall be stored at temperature of $40 \pm 2^{\circ}\text{C}$ with relative humidity of 90% to 95% for $96 \pm 4\text{H}$ satisfied in a thermostatic chamber. And the encoder shall be subjected to standard atmospheric conditions for 1.5H. After which measurements shall be made.
高溫測試 Heat test	溫度 $85 \pm 3^{\circ}\text{C}$ 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 $85 \pm 3^{\circ}\text{C}$ 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 $-40 \pm 3^{\circ}\text{C}$ 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 $-40 \pm 3^{\circ}\text{C}$ 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.



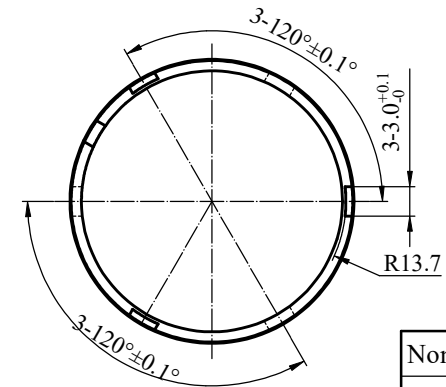
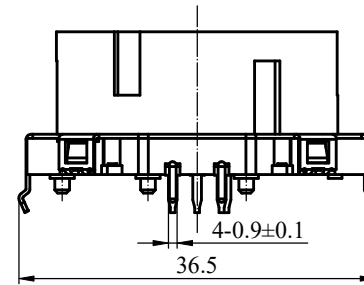
CIRCUIT



Mounting Hole



CENTER HOLE DETAIL



SHAFT DETAIL

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



SONG HUEI ELECTRIC CO., LTD.
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MODEL: EC035-003/0496

Approval



Checked



Projected



UNIT

mm

SCALE

1.5:1

VERSION

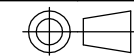
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DATE

2019.11.13

DRAWING NO.

ED-108



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ISSUE	SUBJECT	NAME	DATE
RECORD			