



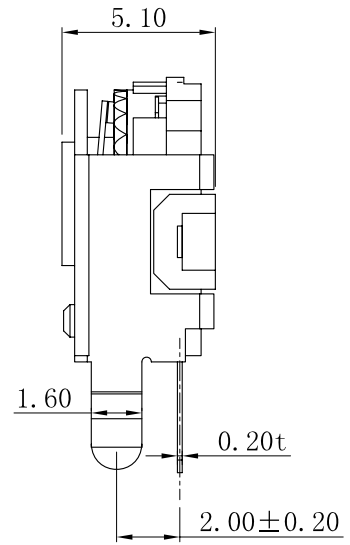
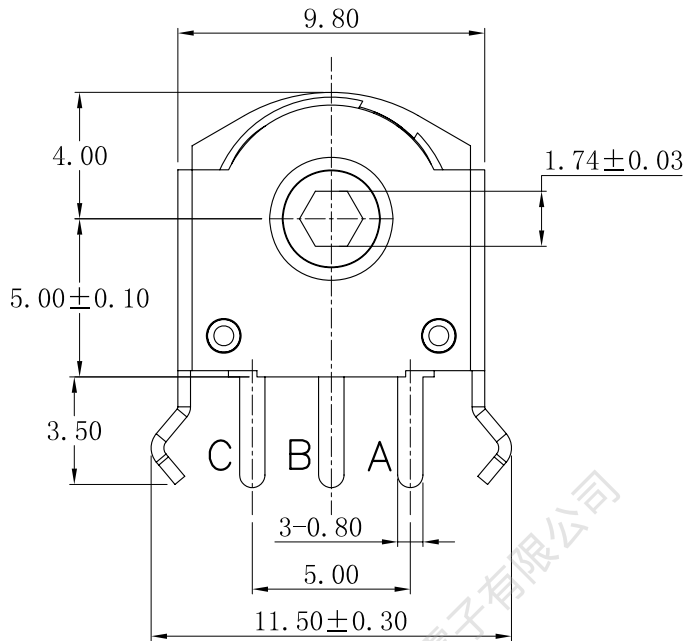
一、旋轉式編碼器系列技術規格書

Rotary Series Encoders Technic Specifications

1.機械性能 (Mechanical Characteristics)					
序号	項目 Item			標準 Criteria	
1.1	全回轉角度 (Total rotational angle)			360°	
1.2	定位點力矩(Detent torque)			1-3mN.m(10-30gf.cm)	
1.3	換子點數與位置 (Detent Points)			24 detent Points each detent angle:15±3° (24點換子每點角度:15±3°)	
1.4	定位點數(Number of detent)			<input type="checkbox"/> 24 detents <input type="checkbox"/> 12 detents	
2.電氣性能 (Electrical Characteristics)					
2.1	額定值 (Rating)			5V DC,0.5mA	
2.2	抗電強度(Dielectric Voltage)			AC50V 60sNo dielectric breakdown shall occur无击穿现象发生。	
2.3	絕緣電阻 (Insulation resistance)			50MΩ Min	
2.4	接觸電阻 (Contact resistance)			5Ω Max.	
2.5	分解能力 (Resolution)			12個脈沖/360° (12pulses/360 for each phase)	
3.耐久性能(Endurance Characteristics)					
3.1	可焊性(Solder Ability)			Soldering Temperature:250±5°C,焊接溫度:250±5°C.	
3.2	使用溫度範圍 (Operating Temperature Range)				
3.3	耐焊接熱 (Solder Heat Resistance)			Soldering Temperature&Immersing time, Dip Soldering (自動焊接) :230±5°C 4~6s.Manual Soldering(手動焊接) :270± 10°C3~4s	
3.4	回轉壽命 (Rotational life)			100,000cycles min of operation shall be performed continuously at a rate of 3-30 cycles per minute with load as follow:10mA 10V DC. 在10mA 10V DC條件下，速度3至30次/分，在壽命試驗設備上連續轉換100，000次。 Contact resistance:10Ω Max. Insulation resistance:10MΩ Min, : 10MΩ Min. Operating force:10gf.cm.Min. : 10gf.cm.Min.	
批 准			審 核		
				設 計	

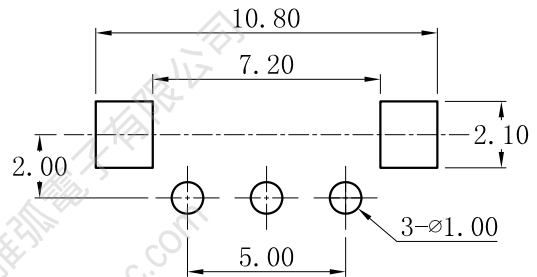
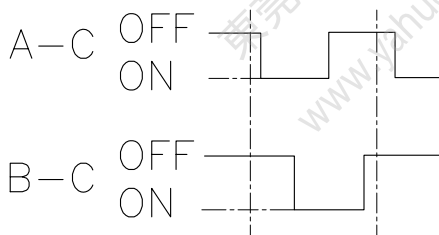


外形圖 Mechanical Dimensions



输出信号

Output signal format



PCB Layout (Pattern Side)
(P. C. B thickness t=1.6mm)

12 pluse 24click

東莞市雅弧電子有限公司 DongGuan YaHu Electronic Co.,Ltd.				PRODUCT NAME	10MM Rotary Encoders		
				MODEL NAME	EC101-5H-24C12P		
NO	DATE	DESCRIPTION		APPROVED BY	CHECKED BY	DRAWN BY	
		DIMENSION	TOLERANCE	SCALE	2 : 1		
		$l \leq 10$	± 0.2	UNIT	mm		
		$10 < l \leq 30$	± 0.5	VER.			
		$30 < l \leq 100$	± 1.0	DATE	08/07/01		