



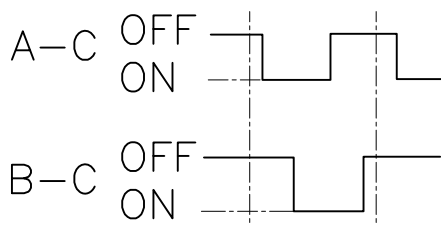
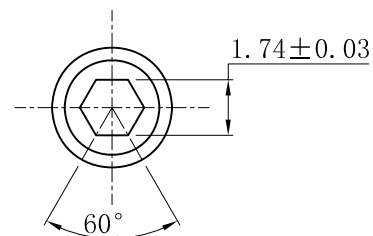
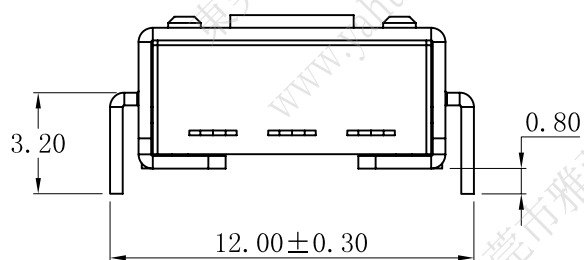
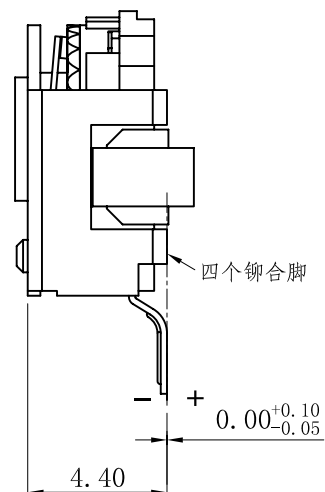
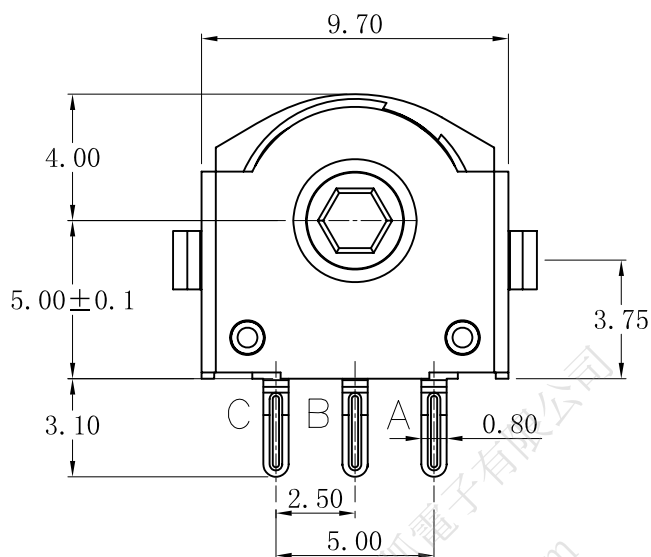
一、旋轉式編碼器系列技術規格書

Rotary Series Encoders Technic Specifications

1.機械性能 (Mechanical Characteristics)					
序号		项目Item		標準 Criteria	
1.1		全回轉角度 (Total ratational angle)		360°	
1.2		定位点力矩(Detent torque)		1-3mN.m(10-30gf.cm)	
1.3		执子点数与位置 (Detent Points)		24 detent Points each detent angle:15±3° (24点执子每点角度:15±3°)	
1.4		定位点数(Number of detent)		☐ 24 detents ☐ 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个脉冲/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,焊接温度: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 (自动焊接) :230±5°C 4~6s.Manual Soldering(手动焊接) :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条件下，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	
				R & D 2012.01.12 Lisa	



外形图 Mechanical Dimensions



12 pluse 12click 12CI2P
12 pluse 24click 24CI2P
Y

Shaft hole shape and dimension

YaHu DongGuan YaHu Electronic Co.,Ltd.				PRODUCT NAME		10mm Encoders	
2				MODEL		EC101-V1-Y	
1				DRAWN BY		CHECKED BY	
NO	DATE	DESCRIPTION		APPROVED BY			
DIMENSION		TOLERANCE	SCALE				
$l \leq 10$		± 0.2	UNIT	2 : 1			
$10 < l \leq 30$		± 0.5	VER.	mm			
$30 < l \leq 100$		± 1.0	DATE	08/06/06			

R & D
2012.01.12
Lisa