



指定外公差 ±0.5mm  
Tolerance is ±0.5mm unless specified.

35S	分解能 Resolution	出力相 Output phase	出力型態 Output form	電源電壓 Voltage
應用選配	50,100,200,250,300,360,400,500	2 : AB Phase	C : NPN Open collector	10.8 ~ 26.4VDC
	600,720,800,900,1000,1024,1200	3 : ABZ Low	P : Push pull	10.8 ~ 26.4VDC
	1800,2000,2048,2500	4 : AB+Z High	L : Line driver	4.75 ~ 5.25VDC

## 電氣規格 Electrical Specifications

型號 Model	集電極開路型 Open collector	推拉型 Push pull	線驅動型 Line driver				
容許波紋 Allowable ripple	≤ 3% rms	3% rms max.	≤ 3% rms	3% rms max.	-	-	
消耗電流 Current consumption	≤ 50mA	50mA max.	≤ 50mA	50mA max.	≤ 50mA	50mA max.	
信號形式 Signal waveform	兩相+原點 Two-phase + home position	兩相+原點 Two-phase + home position	兩相+原點 Two-phase + home position	兩相+原點 Two-phase + home position	兩相+原點 Two-phase + home position	兩相+原點 Two-phase + home position	
最高響應頻率 Maximum response frequency	200kHz	200kHz	200kHz	200kHz	200kHz	200kHz	
占空比 Duty ratio	50 ± 25%	50 ± 25%	50 ± 25%	50 ± 25%	50 ± 25%	50 ± 25%	
相位差寬度 Phase difference width	25 ± 12.5%	25 ± 12.5%	25 ± 12.5%	25 ± 12.5%	25 ± 12.5%	25 ± 12.5%	
原點信號寬度 Signal width at home position	100 ± 50%	100 ± 50%	100 ± 50%	100 ± 50%	100 ± 50%	100 ± 50%	
輸出 Output	上升/下降時間 Rise/Fall time	≤ 1μs (電纜長度為1m) 1 μs max.(when cable length is 1 m)	≤ 1μs (電纜長度為1m) 1 μs max.(when cable length is 1 m)	-	-	-	
	輸出類型 Output type	NPN集電極開路輸出 NPN open collector output	推拉型 Push pull	線驅動輸出 Line-driver	-	-	
	原點輸出邏輯 Output logic	負邏輯 (低電平有效) Negative logic (active low)	正邏輯 (高電平有效) Positive logic (active high)	正邏輯 (高電平有效) Positive logic (active high)	-	-	
	輸出電流 Output current	"H"	-	≤ 10mA	10 mA max.	-	-
		"L"	-	≤ 30mA	30 mA max.	-	-
	輸出電壓 Output voltage	"H"	-	≤ 【(電源電壓)-2.5V】 [(Load power voltage)-2.5V] min.	≤ 【(電源電壓)-2.5V】 [(Load power voltage)-2.5V] min.	-	-
		"L"	≤ 0.4V	0.4 V max.	≤ 0.6V	0.6V max.	≤ 0.5V
流入電流 Inflow current	≤ 30mA	30 mA max.	-	-	-	-	
負載電源電壓 Load power voltage	≤ DC30V	30 VDC max.	≤ DC30V	30 VDC max.	-	-	

## 機械規格 Mechanical Specifications

啟動轉矩 Starting torque	< 0.01 Nm	< 0.01Nm
軸慣性力矩 Moment of inertia	0.3×10 <sup>-6</sup> kgm <sup>2</sup>	0.3 × 10 <sup>-6</sup> kgm <sup>2</sup>
軸容許荷重 Shaft loading	徑向 : 20N	Radial : 20N
	軸向 : 10N	Thrust : 10N
最大迴轉速度 Maximum allowable speed (Note1)	6000 rpm	6000 rpm
重量 Net weight	約100g	Approx. 100 g

## 環境條件 Environmental Requirements

使用環境溫度 Operating temperature	-10 ~ +70°C
保存環境溫度 Storage temperature	-25 ~ +85°C
使用環境濕度 Operating humidity	35 ~ 85% RH (無凝露) 35 to 85% RH (with no condensation)
耐震動(耐久) Vibration resistance	變位振幅0.75mm, 10 ~ 55Hz, 三軸方向各1h Durable for one hour along three axes at 10 to 55 Hz with 0.75 mm amplitude
耐沖擊(耐久) Shock resistance	490m/s <sup>2</sup> 11ms 11ms with 490 m/s <sup>2</sup> applied three times along three axes
防護構造 Protection	防塵型 : IP50 Simple dust protection : IP50