

# Magnetic Encoders

- 雙向霍爾作用譯碼器  
Two Channel Hall Effect Encoder
- 單向霍爾作用譯碼器  
One Channel Hall Effect Encoder

★ 使用相對溼度: 20%~85%RH    ★ 使用溫度範圍: -10°C~+60°C  
Operating relative humidity    Operating temperature range

外形尺寸 APPEARANCE SIZE

\* UL1061 AWG26  
UL1007 AWG26

suggested connectors  
AMP 175788  
Molex 51065  
JST PH

\* JST ZHR-6  
P=1.5-6P    JST ZH

★ WITHOUT CAP

φA	L	COUNTS POLES OF PER TURN (PPR)	
		current	limit.
* φ12	★ 6.5	2, 6 (1, 3)	6 (3)
* φ16	★ 6.5	2, 6 (1, 3)	6 (3)
φ20	★ 8.5	2, 6 (1, 3)	6 (3)
φ27.3	12.6	2, 6, 14, 26 (1, 3, 7, 13)	26 (13)
φ32.3	14.3	14, 26 (7, 13)	26 (13)
φ35.3	13.5	14, 26 (7, 13)	26 (13)
φ42.5	15.5	2, 10, 38 (1, 5, 19)	38 (19)

電氣特性

ELECTRICAL CHARACTERISTICS

規格特性 CHARACTERISTICS	代號 SYMBOL	測試條件 TEST CONDITIONS	極小 MIN.	基準 REF.	最大 MAX.	單位 UNITS
輸入電壓 Supply Voltage	Vcc	---	3.5	-	20	V
輸出飽和電壓 Output Saturation Voltage	Vce(sat)	Vcc=14V ; Ic=20mA	-	300	700	mV
輸出漏電流 Output Leakage Current	Icex	Vce=14V ; Vcc=14V	-	< 0.1	10	μV
輸入電流 Supply Current	Ice	Vcc=20V Output open	-	5	10	mA
輸出上升時間 Output Rise Time	tr	Vcc=14V ; RL=820Ω ; CL=20pF	-	0.3	1.5	μS
輸出下降時間 Output Fall Time	tf	Vcc=14V ; RL=820Ω ; CL=20pF	-	0.3	1.5	μS

輸出電路  
Output Circuit :

輸出波形  
Output Wave :

Two Channel Encoder  
Connections :

1. Black : -MOTOR
2. Red : +MOTOR
3. Brown : HALL SENSOR Vcc
4. Green : HALL SENSOR GND
5. Blue : HALL SENSOR A Vout
6. Purple : HALL SENSOR B Vout

One Channel Encoder  
Connections :

1. Black : -MOTOR
2. Red : +MOTOR
3. Brown : HALL SENSOR Vcc
4. Green : HALL SENSOR GND
5. Blue : HALL SENSOR A Vout
6. Purple : EMPTY