

# IG32E – Two Channel Hall Effect Encoder

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



### 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
輸出漏電電流 Output Leakage Current	Icex	Vce=14V ; Vcc=14V	-	< 0.1	10	$\mu$ V
輸入電流 Supply Current	Ice	Vcc=20V Output open	-	5	10	mA
輸出上升時間 Output Rise Time	t <sub>r</sub>	Vcc=14V ; R <sub>L</sub> =820 $\Omega$ ; C <sub>L</sub> =20pF	-	0.3	1.5	$\mu$ S
輸出下降時間 Output Fall Time	t <sub>f</sub>	Vcc=14V ; R <sub>L</sub> =820 $\Omega$ ; C <sub>L</sub> =20pF	-	0.3	1.5	$\mu$ S

