



◆ Application

- Measure the distance, robot, X-Y working, curtained door, shoe machine, textile machines

◆ Features

- Miniature size, easy assembling
- 2 quadrature output channel (A&B)
- Full impulses under 1024, it is suitable for narrow area application

◆ Ordering Information

ISC30	04	-	001E	-	100	B	1	-	5-30	E
ISC serial no. housing			Cable lead out : G= Cable lead out at side E= Cable lead out behind		Pulses P/R 100 200 250 360 400 500 and etc.				Supply Voltage 5: 5V DC 5-30: 5~30 VDC	Output Form E: Voltage L: Line Driver 26LS31/TTL K: Line driver 7272 F: Push-Pull C: Open Collector NPN CP: Open collector PNP
Shaft diameter 04=Φ4mm 05=Φ5mm 06=Φ6mm					Output signal A=A phase B=A,Bphase BZ=A,B Zphases ABZ=ABZ,A-B-Z-phases		Width of Z signal Blank=no Z phase 1: TZ=1T 2: TZ=1/2T 3: TZ=1/4T			

◆ Note:

1. Please contact sales representative to confirm the correctness and availability of the part number

◆ Technical Specifications

Electrical Specification				
Output circuit	Open collector	Voltage output	Push pull output	Line driver output
Power Vcc	5~30	5~30	5±0.25 5~30	5±0.25 5~30
Current	≤80mA	≤80mA	≤80mA	≤150mA
Load current	40mA	40mA	40mA	60mA
High-level output	Min Vcc*70%	Min Vcc-2.5V	Min Vcc-1.5V	Min 3.4V
Low-level output	Max 0.4V	Max 0.4V	Max 0.8V	Max 0.4V
Rise Time Tr	Max 1us	Max 1us	Max 1us	Max 200ns
Fall Time Tr	Max 1us	Max 1us	Max 1us	Max 200ns
Max Responding Frequency	150kHz	150kHz	150kHz	150kHz
Mechanical Specification				
Max speed(r/min)	Starting Torque	Max. Shaft Loading	Shocking	Vibration
6000	<0.03Nm	Radial:15N, Axial:10N	50G/11ms	10G 10-2000Hz
Rotor Inertia	Working Temperature	Storage Temperature	Protection Grade	Weight
4*10 ⁻⁸ Kg·m ²	-25~80℃	-30~85℃	IP51	70g

◆ Connection Table

Signal	A	B	Z	Ā	Ē	Ž	Vcc	GND
Color	Green	White	Yellow	Brown	Grey	Orange	Red	Black

◆ Dimensions(mm)

