



ZSP3806 ENCODER

Strong Anti-interference

Stable Performance /No Pulse Loss/High Accuracy

**MULTIPLE
OUTPUT MODES**



Rugged and durable
The pulse can be selected



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0721.228.444
0754.075.656

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COMPONENTE ELECTRICE
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ENCODER DETAIL DISPLAY

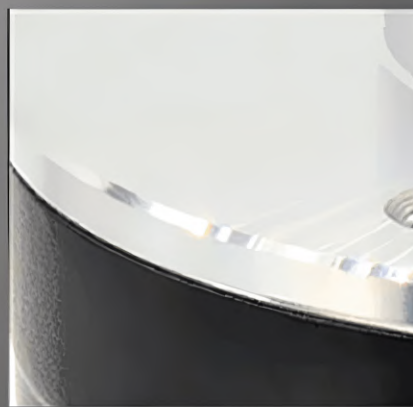
Automatic control, measurement and remote control and other numerical control fields are durable, worry free and reassuring



STAINLESS STEEL
PRINCIPAL AXIS



OIL PROOF BEARING



ALUMINIUM ALLOY
SHELL



2M STANDARD
CABLE



FINE WORKMANSHIP



WORKING
TEMPERATURE
- 10 ~ + 70 °C



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PRODUCT PARAMETERS

Outer diameter:38mm/Shaft diameter:6mm

FINE TECHNOLOGY

Automatic control measurement and other numerical control fields



**HOLLOW SHAFT:
STAINLESS STEEL**

**END FACE:
ALUMINUM ALLOY
MATERIAL**



**SHELL:
ALUMINUM ALLOY
MATERIAL**



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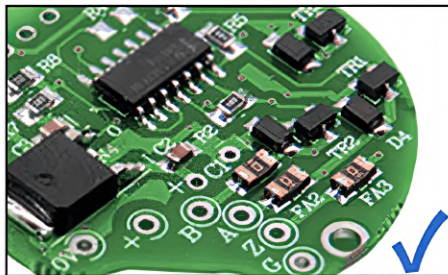


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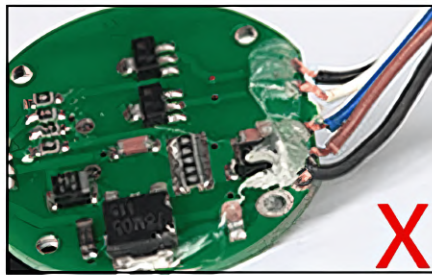


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We choose it
because...



SMT imported components
stable and reliable



Manual welding
simple circuit and unstable



Imported SS bearings,
uneasy to rust
Stable, reliable, longer life



Ordinary bearing, easy to rust
and affect stability



Aluminum shell robust, stable,
high temp. resistant, long life



Ordinary plastic shell,
cheap and easy to damage



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CABLE SIGNAL WIRING TABLE

Clear color / easy wiring/Adopt high-quality / wire, safe and worry free

WIRING INSTRUCTIONS

The wiring not used shall be insulated



Five wire wiring method

- RED: VCC
- BLACK: OV
- GREEN: A
- WHITE: B
- YELLOW: Z

Eight wire wiring method

- RED: VCC
- BLACK: OV
- GREEN: A
- WHITE: B
- YELLOW: Z
- BROWN: $\bar{A}$
- GRAY: $\bar{B}$
- ORANGE: $\bar{Z}$



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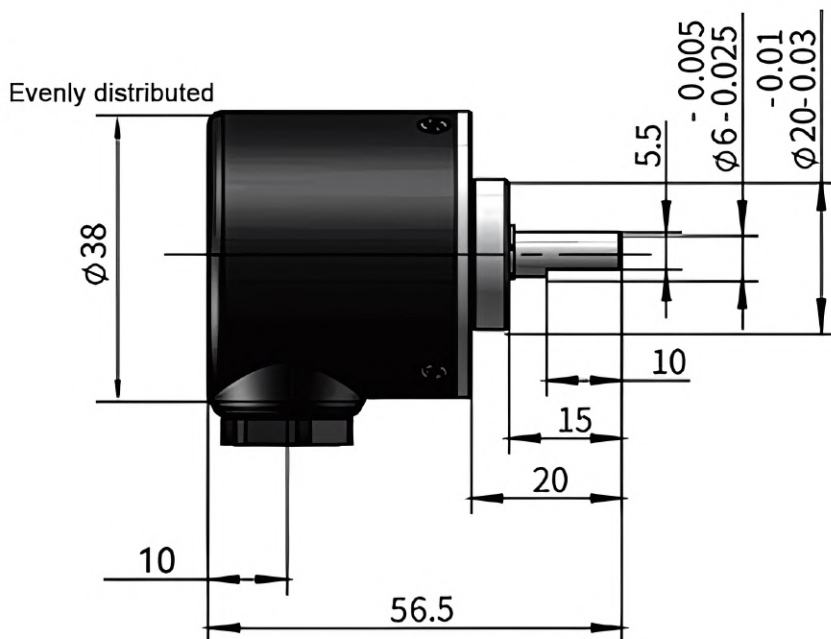
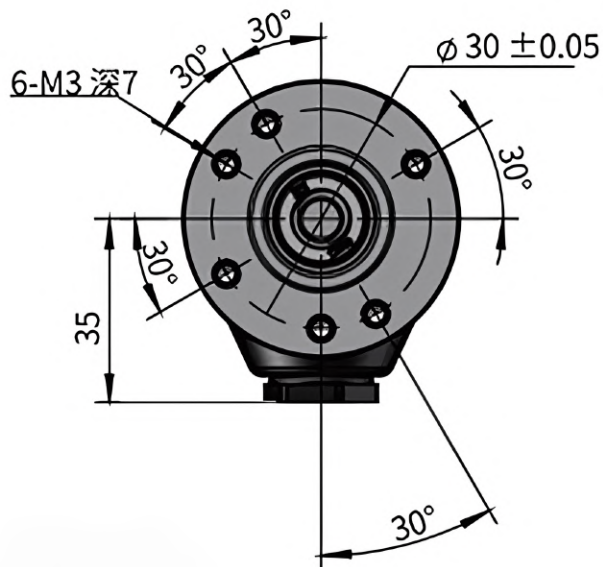


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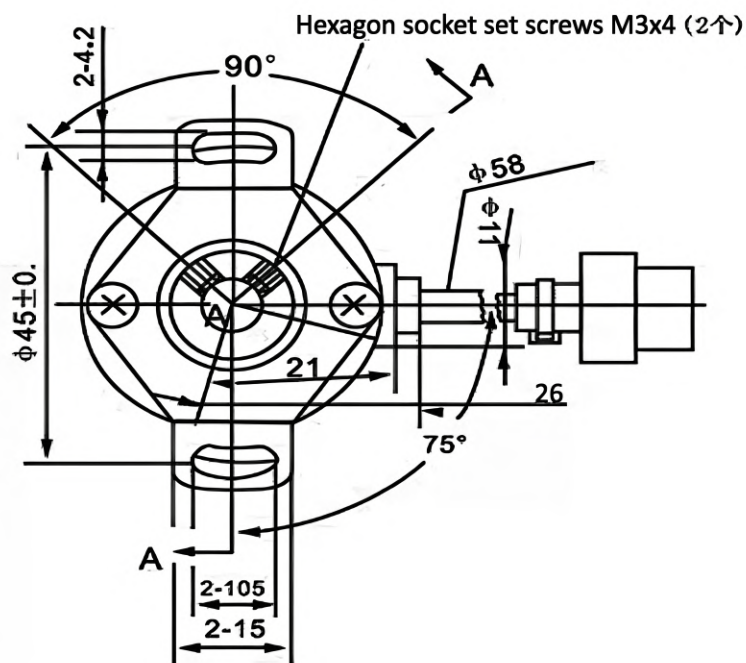
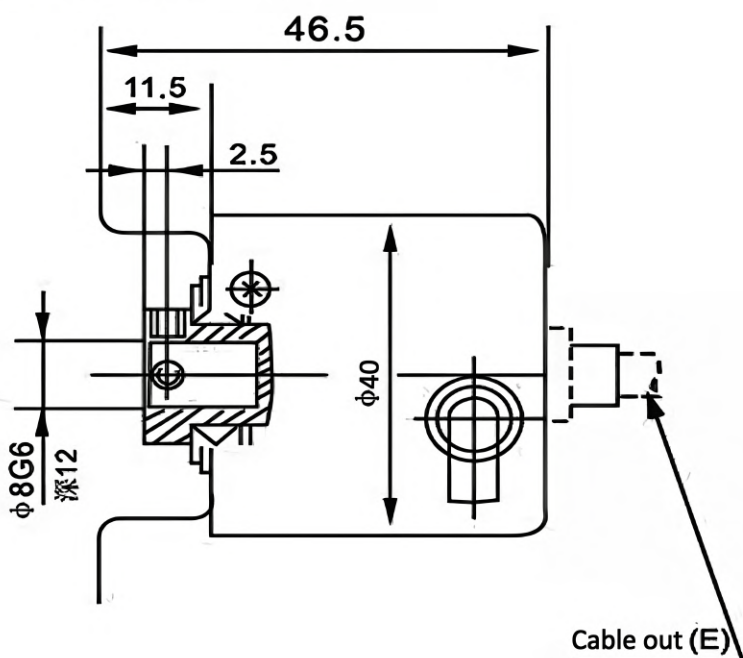


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PRODUCT SIZE:



ZSP3806 SERIES



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TECHNICAL PARAMETER:

Electrical parameters		Mechanical parameters	
Number of pulses	Maximum 3600P/R	Starting force cabinet	2x10-3N ·M (±25℃)
Current consumption	≤100mA	Allowable load of shaft	Axial 10N, radial 20N
Response frequency	0~100KHZ	Moment of inertia	4x10-7KGM²
working temperature	-20℃~+70℃	Maximum revolutions	50000r/min
Storage temperature	-20℃~+80℃	Protection level	IP65
Output item	ABZ $\bar{A}$ $\bar{B}$ $\bar{Z}$	Anti vibration	50m/S² (10~200Hz x,y,z 2 hours in each of the three directions)
Output voltage VH	≥VCC-2.5V	Impact resistance	980m/S² (x,y,z Two times in each of the three directions, each lasting for 6ms)
Output voltage VL	≤0.5V	Material Science	Shaft:stainless steel End face:aluminum alloy Shell:aluminum alloy spray powder
	≤1.0V		
supply voltage	DC5V	Rise / fall time	5V driver ≤ 0.1us
	DC24V		24V<1US
weight	190g		

ZPS	38	06	G	C	/	PULSE	B	M	□	□
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪
①Model: (Z: incremental s: solid shaft P: General Y: General)										
②Outer diameter: 38mm										
③Shaft diameter: 6mm/8mm										
④Outgoing mode: (G: cable side outgoing e: Cable rear outgoing)										
⑤Model output mode: (C: open collector output e: voltage output f: push-pull output L: drive output 5V T: drive output 5-30v)										
⑥Pulse number: 20.25.30.40.50.60.80.90.100.200.240.250.256.300.360.400. 500.600.720.800.1000.1024.1200.1500.1800.2000.2048.2500.3000.3600 (special specifications can be customized)										
⑦Output model: B = a, phase B										
⑧Voltage selection: (M: 24v, blank: 5V)										
⑨Positive and negative zero position: (blank: positive zero position F: negative zero position)										
⑩Cable length: Standard 2m (other sizes can be customized)										



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Specification

Type	incremental
Outer diameter	38mm
Shaft	Half-hollow shaft
Shaft Diameter	6mm 8mm
Outlet way	G:cable side E:cable out
Power supply voltage	5V 5V~12V 12V~24V 24V
Cable length	Blank:Standard 2M
Zero position signal degree	M=zero signal
Out put signal	B=A,B, Z phase
Pulse	10-1024 1200-1800 2000-2500 3600
Signal output method	Vtage output E/Current output C/Complementary outut F/Drive output L

Electrical characteristics

Output type	E(voltage output)		C circuit output		F complementary output		L (driver)	T (driver)
power supply voltage of DC (V)	5±0.25	5-24	5±0.25	5-24	5±0.25	5-24	5±0.25	10-30
Current consumption (mA)	≤60	≤60	≤60	≤60	≤60	≤60	≤100	≤80
The output voltage (V) Vh	≥3.5	≥Vcc-2.5			≥3.5	≥Vcc-2.5	≥2.5	≥Vcc-2.5
The output voltage (V) V1	≤0.5	≤0.5			≤0.8	≤1.0	≤0.5	≤0.8
Rise time (NS)	≤500	≤1500			≤300	≤500	≤200	≤500
Fall time (NS)	≤100	≤300			≤200	≤200	≤200	≤200
The frequency response(kHz)	0-300	0-300	0-300	0-300	0-300	0-300	0-300	0-300



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APPLICATION AREA

+



CNC lathe



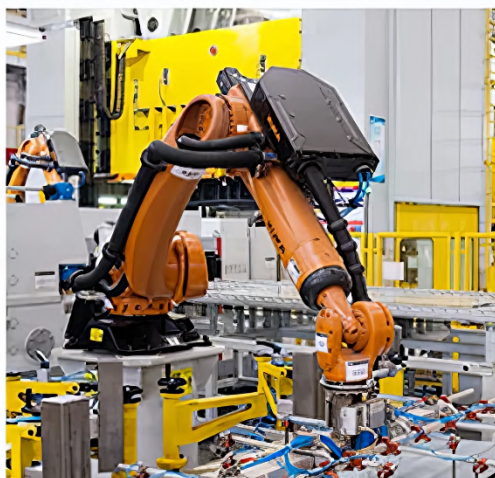
Printing equipment



Metallurgical equipment



Textile equipment



Mechanical application



Intelligent logistics



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