



◆ 产品特点

- 体积小、重量轻、安装方便
- 2路正交输出信号 (A,B)+零位信号
- 分辨率高达3600脉冲
- 外径52mm, 轴径8mm

◆ Features

- Miniature size, easy assembling
- 2 quadrature output channel (A&B)+index signal
- Resolution up to 3600 cpr
- Housing size 52mm, shaft dia. 8mm

◆ 型号说明 Ordering Information

ZSP52 08 - 001 G - 1024 BZ 3 - 5 L

轴径 Shaft Dia.	出线方式 Connection	分辨率 Resolution	零信号宽度 Index Width	工作电压 Supply Voltage	输出方式 / Output Form
06: 6mm	G: 电缆侧出 Radial Cable	100 200 300 360 400 500	1: 1T	5: 5V DC	E: 电压输出/TTL
08: 8mm	E: 电缆后出 Axial Cable	600 1000 1024 1200 1500	2: 1/2T	5-12: 7~12V DC	L: 长线驱动/LineDriver
10: 10mm		2000 2048 2500 3000 3600	3: 1/4T	12-24: 12~24V DC	F: 推拉输出/Push-Pull
				5-24: 7~24V DC	C: 集电极开路NPN Open Collector NPN

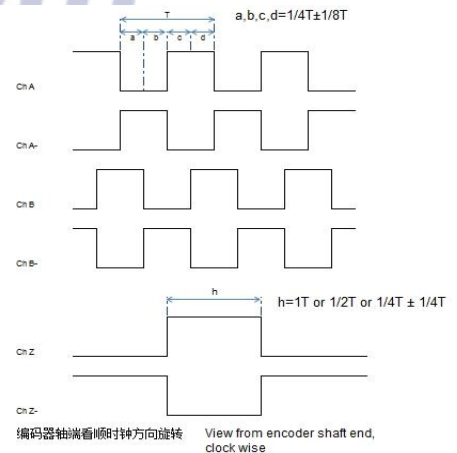
备注 / Note:

- 1 下单前请联系销售人员确认型号 / Please contact sales representative to confirm the correctness and availability of the part number
- 2 长线驱动仅5V可选 / Line Driver is only available with 5V DC option.

◆ 技术参数 Technical Specifications

参数/Parameter	标准数值/Typ Value	备注/Note
电源电压/supply Voltage	DC 5V / 7~24V ($\pm 10\%$)	*1 最大响应频率受限于最大转速
最大响应频率/Max. Response Frequency	100 kHz	Max. response frequency is gated by max. rotation speed
最大转速/Max. Rotation Speed (*1)	3000 rpm	
最大消耗电流/Max. Current Consumption	120mA (空载/Unloaded)	
最大上升-下降时间/Max. Rise-Fall Time	200ns (长线驱动/Line Driver)	
最大上升-下降时间/Max. Rise-Fall Time	1 μ s (其他输出/Other Output Mode)	
工作温度/Operating Temperature	-20 ~ 85°C	
储存温度/Storage Temperature	-20 ~ 85°C	
防护等级/IP Rating	设计防护等级IP54 by design	

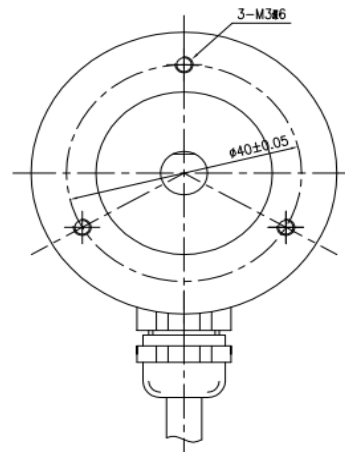
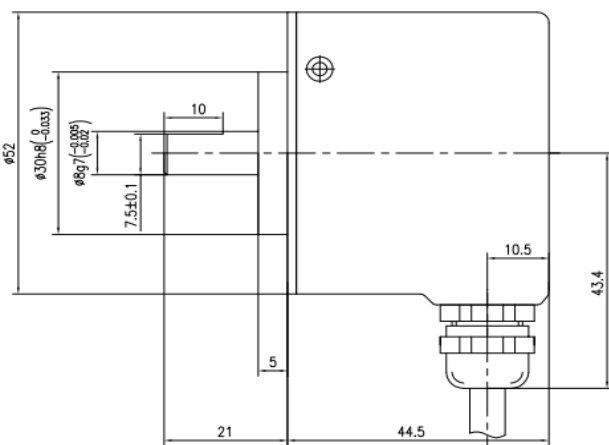
◆ 输出波形 Output Waveform



◆ 接线表 Connection Table

接线颜色 Color of Lead Wire	绿 GN	白 WH	黄 YE	红 RD	黑 BK	屏蔽线 Shield	棕 BN	灰 GY	橙 OG
输出信号-长线驱动 Output- Line Driver	A+	B+	Z+	Vcc	0V	NC	A-	B-	Z-
输出信号-其他输出 Output- Other Output	A	B	Z	Vcc	0V	NC	n/a	n/a	n/a

◆ 产品尺寸 Dimensions

尺寸单位为毫米, 若无特别说明, 尺寸公差为 ± 0.5 mmDimensions in mm. Unless otherwise stated, tolerance: ± 0.5 mm