



DBL-2420R

数字型智能无刷电机驱动器

使用手册

以匠心质造，驱动民族工业

■ 技术源自德国
■ 驱动民族工业

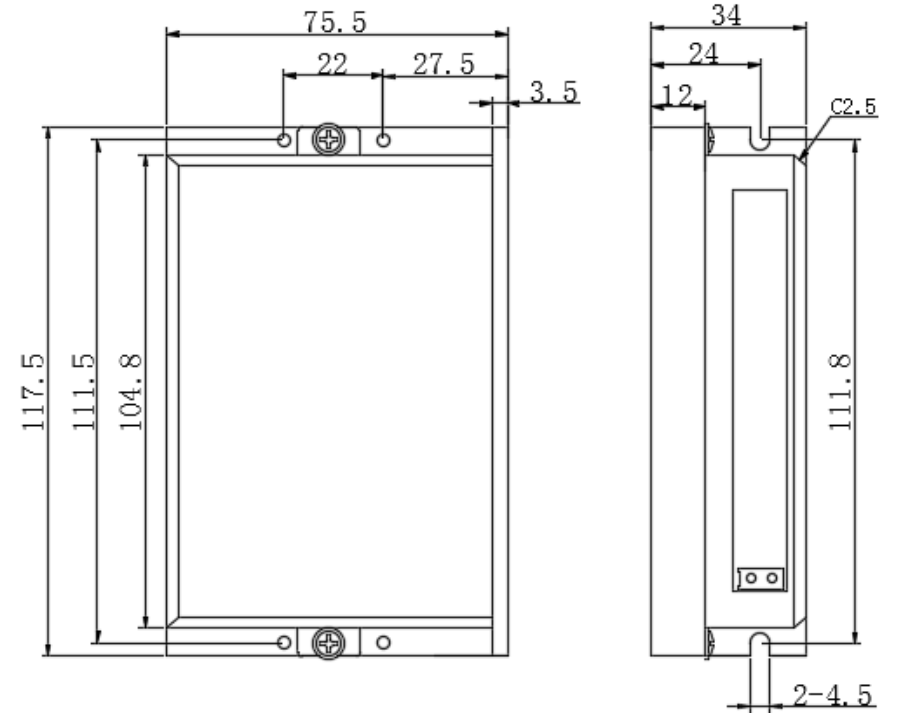


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【使用前请仔细阅读本手册，以免损坏驱动器】

	20	24	32	VDC
	-	-	10	A
		200	-	W
	0	-	30000	RPM
	-	5		V
	-	20	-	mA
	5	10	10	K
	-	18	-	VDC
	-	37	-	VDC

		-10 55
		40 90%RH
		1000m
		0.5G, 10hz 60hz()
		-10 +70
		IP21
		0.25Kg

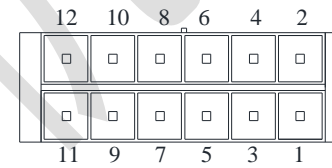
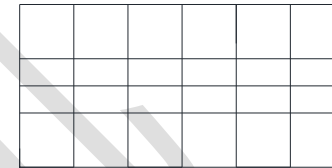
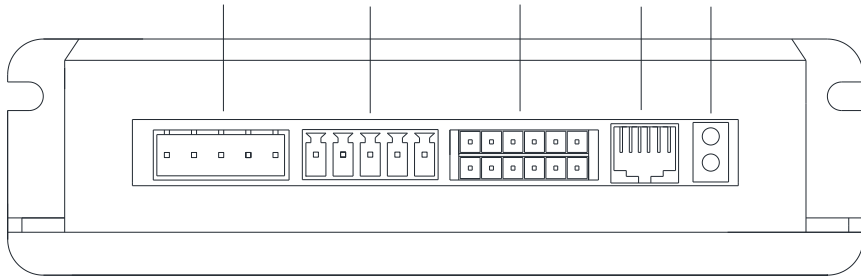


1
2

60

80

3)



1 P1 DC

1	U	U	
2	V	V	
3	W	W	
4	+		+20VDC~+32VDC
5	-		0V

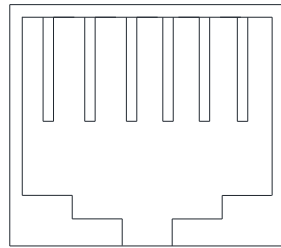
2 P2

1	5V		
2	GND		
3	HA	HA	
4	HB	HB	
5	HC	HC	

1	GND		
2	ALM		20mA
3	X1	1	
4	PG		20mA
5	X2	2	
6	5V	5V	20mA
7			

4) RS232

RS232
RJ12 6PIN



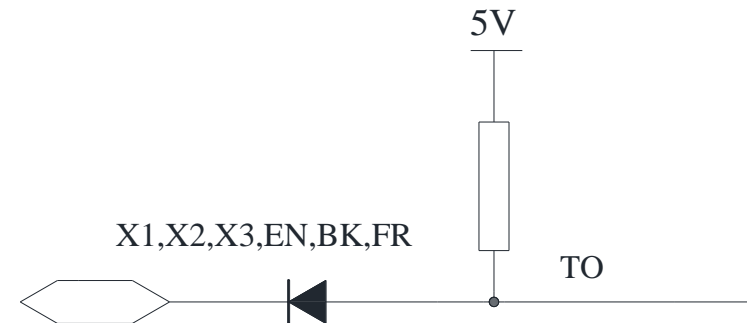
RJ12

1	NC	
2	TXD	MCU
3	VCC	5V
4	RXD	MCU
5	GND	
6	NC	

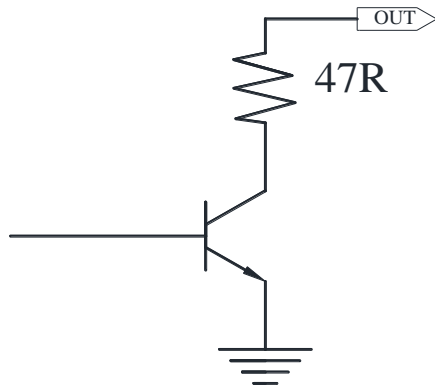
	LED		
1			
2			
3			
4			
5			
6			
7			

5) LED

1 X1,X2,X3,EN,BK,FR



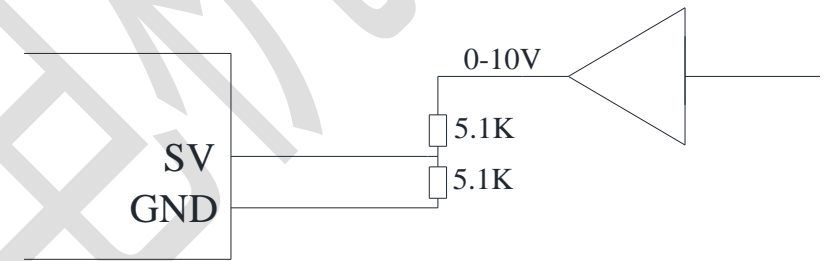
2 PG ALM



5K-10K

5V LED

2 0-10V



SV /PWM

0-10V

SV

PWM

BLDC_2

SV

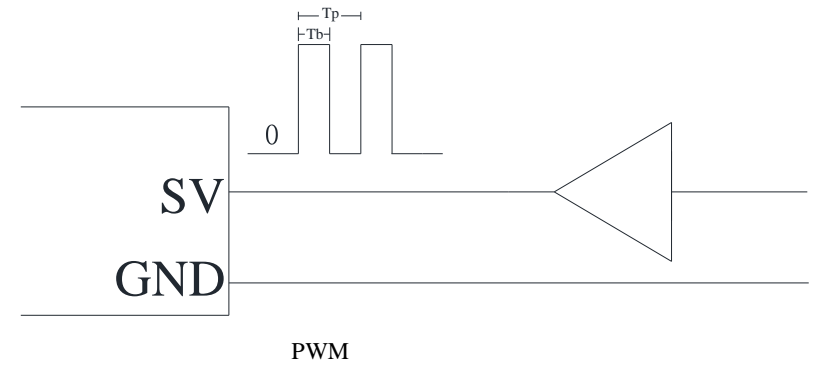
5V

5V

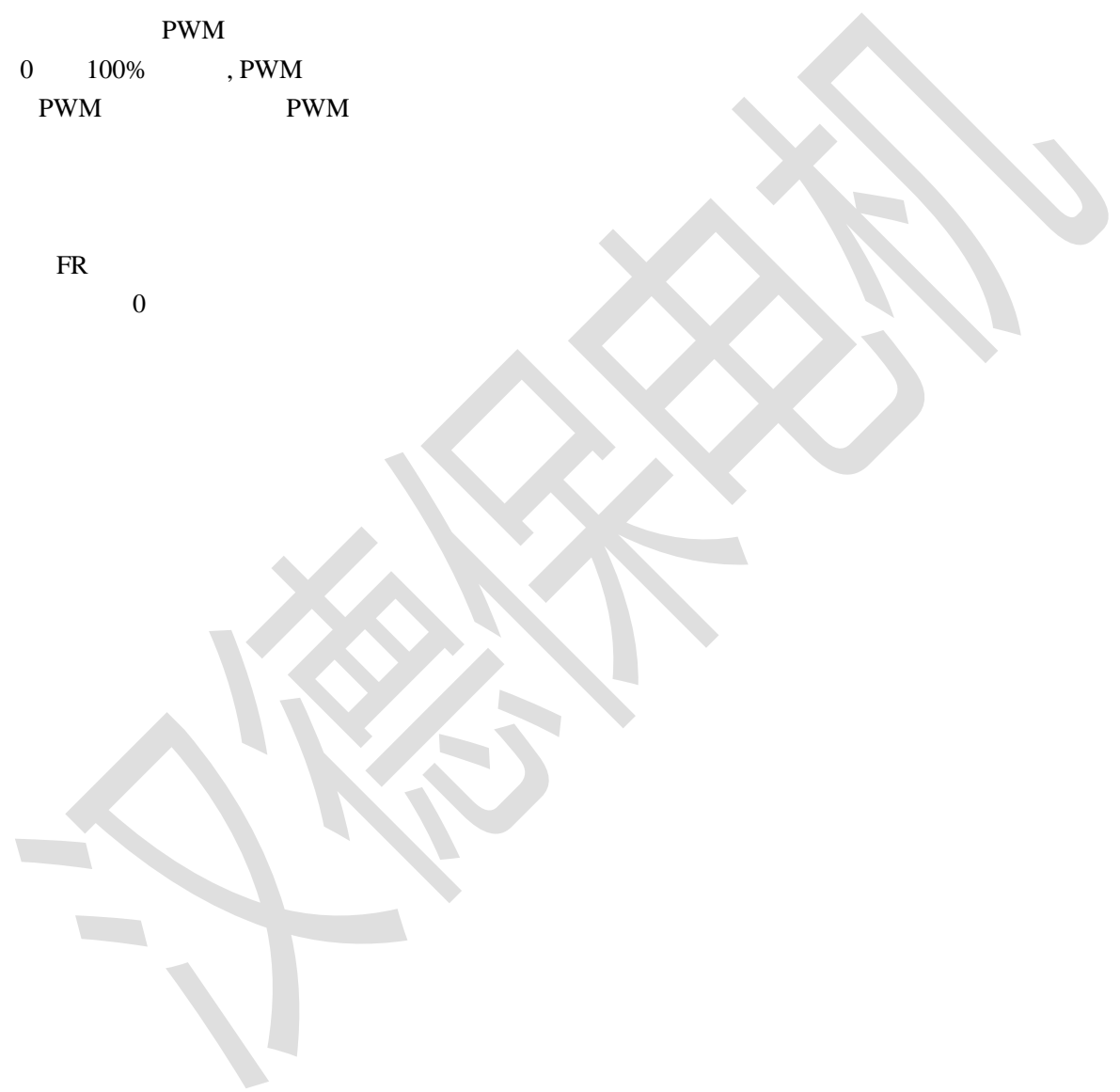
5V

3 SV PWM

1



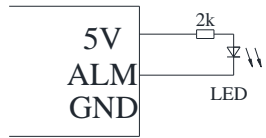
PWM SV PWM 5V
PWM PWM
0 100% , PWM
1KHz-20KHz PWM PWM
2KHz
FR
FR 0 FR 0



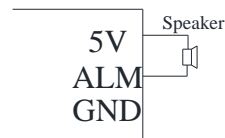
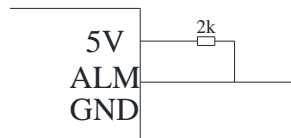
ALM

ALM

50mA ,



ALM



LED

PG

PG

5V PG

2K-10K
PG

3
=
6

PG

*

12

PG

RPM =20 × PG

1 2

4

EN

BLDC_2

300RPM, ,

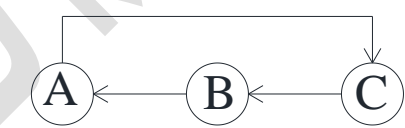
EN

C B, A

180

120 240 240 120

300 60 60 300



FR

1 EN

240

2 EN

3 EN

240 60

5

FR

C

180

120 60

A, A B

120 240 240

60 300 300 60

240

60 300 120 120

1

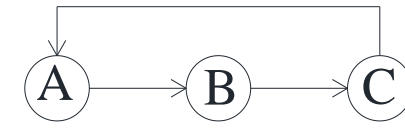
0 3000 /

/ 0 2 1 6000

0 0 0 0

VP VI

PID



4 质量保证

[http:// www.hardboy.net](http://www.hardboy.net)

1 三年保修期

2 维修响应时间

7

7

24

3 保修限制