(V1.00)

1.1 - 3 -
1.2 - 3 -
1.3 ……- 3 -
1.4 ……- 3 -
1.5 ……- 3 -
1.6 ……- 3 -
1.7 ……- 3 -
1.8 ……- 3 -
1.9 ……- 3 -
2.1 8
2.2 8
2.3 ……- 3 -
2.4 ……- 3 -
2.5 ……- 3 -
2.6 ……- 3 -
2.7 ……- 3 -
2.8 ……- 3 -

Resolver

60,000rpm 200kHz 12bit 3,000rpm);

1

$$U_{R_1R_3}(t) = U_{1m}\ (\sin\omega t) \quad 1$$

U_{1m} ω

2

$$U_{S_1S_3}(t) = U_{2m}\ (\sin\omega t + \alpha)\ \cos(\theta)$$

8

1

0.02% 0.1%

2

2 ′

10 ′

3 ±

60 °

4

5

2

2 ɻ Ů ɻ ᶏ ɟ ẅ

	0	I	II	III
%	0.05	0.1	0.2	0.3
′	3	6	12	18
′	2	4	8	18
′	5	10	20	30

“ ” “ ”

7

1

a)

b)

c)

d)

2

a)

b)

c)

3

a)

b)

4

a) لج

RXMC-V100

RS422/RS485

Mbps

8 16 32 64

128

5VDC ± 5%

2m 18AWG 0.75mm²

RS422 DB9

2 ¡ DB9 ₴ м

1	TX+	RS422	
2	TX-	RS422	
3	RX-	RS422	
4	RX+	RS422	
5 6 7	GND		
8 9	5V	5V	

105mm × 86mm × 23mm

5VDC ± 5%

± 200mA

≤ 2W

5V

9000rpm 3

3 ¡ Ŭ Ů ˜ ғ Ĩ

	rpm	
8	1125	
16	562.5	
32	281.25	
64	140.625	
128	70.3125	

1kHz

-40 +85

4

4 ɻ ŏ ŏ ㅓ ᄀ ㅏ ㅋ ĩ

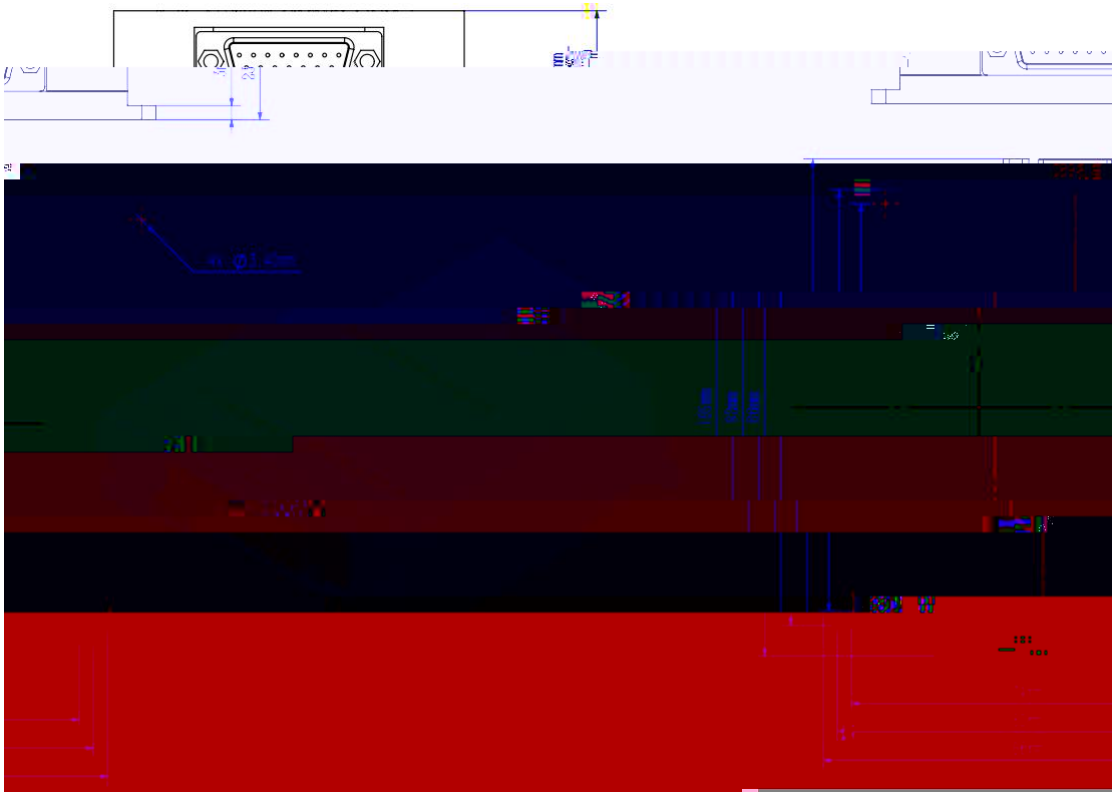
	bit	1LSB ″
8	19	2.47
16	20	1.24
32	21	0.62
64	22	0.31
128	23	0.16

RS422 RS485

3.75Mbps

8

1



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