(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

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

$U_{1m}$ $\omega$

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

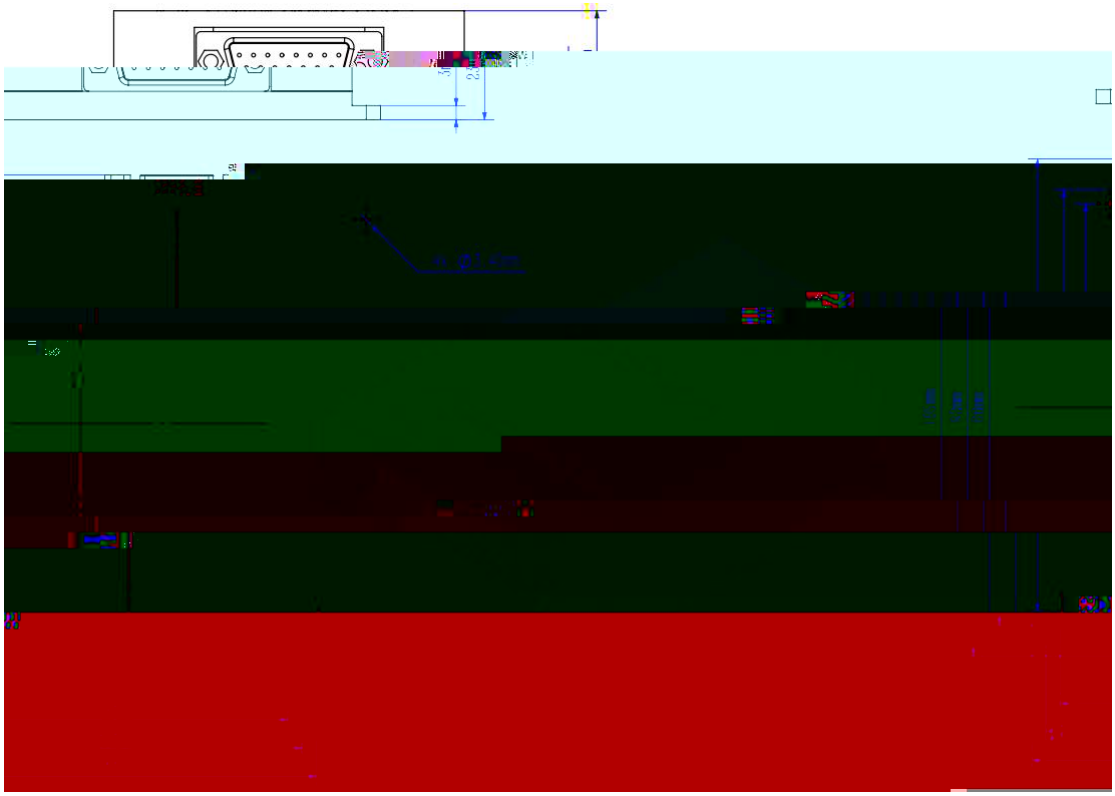
| | bit | 1LSB ″ |
|---|---|---|
| 8 | 19 | 2.47 |
| 16 | 20 | 1.24 |
| 32 | 21 | 0.62 |
| 64 | 22 | 0.31 |
| 128 | 23 | 0.16 |

RS422 RS485

3.75Mbps

8

1



ﻢﻫ 1 ﻞ ﺒّ ﺒُ ﻝﺞ ﺃّ