



(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

12 bit

3,000rpm);

1

$$U_{1m} \quad \omega \quad U_{R_1 R_3}(t) = U_{1m} (\sin \omega t) \quad 1$$

2

$$U_{S_1 S_3}(t) = U_{2m} (\sin \omega t + \alpha) \cos(\theta)$$

8

1

0.02% 0.1%

2

2 '

10 '

3

±

60 °

4

5

2

2 ∞

	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)

RXMC-V100

Mbps

RS422/RS485

8 16 32 64

128

5VDC ± 5%

2m 18AWG 0.75mm²

RS422 DB9

2 ∞ DB9

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 ∞

	rpm	
8	1125	
16	562.5	
32	281.25	
64	140.625	
128	70.3125	

1kHz

-40 +85

4

4 ∞

	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

