



(V1.00)

—

—

Resolver

60,000rpm

200kHz

12 bit

3,000rpm);

1

$$U_{1m} \qquad \omega \qquad U_{R_1R_3}(t) = U_{1m} \left(\sin \omega t \right) - 1$$

2

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

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 ∞

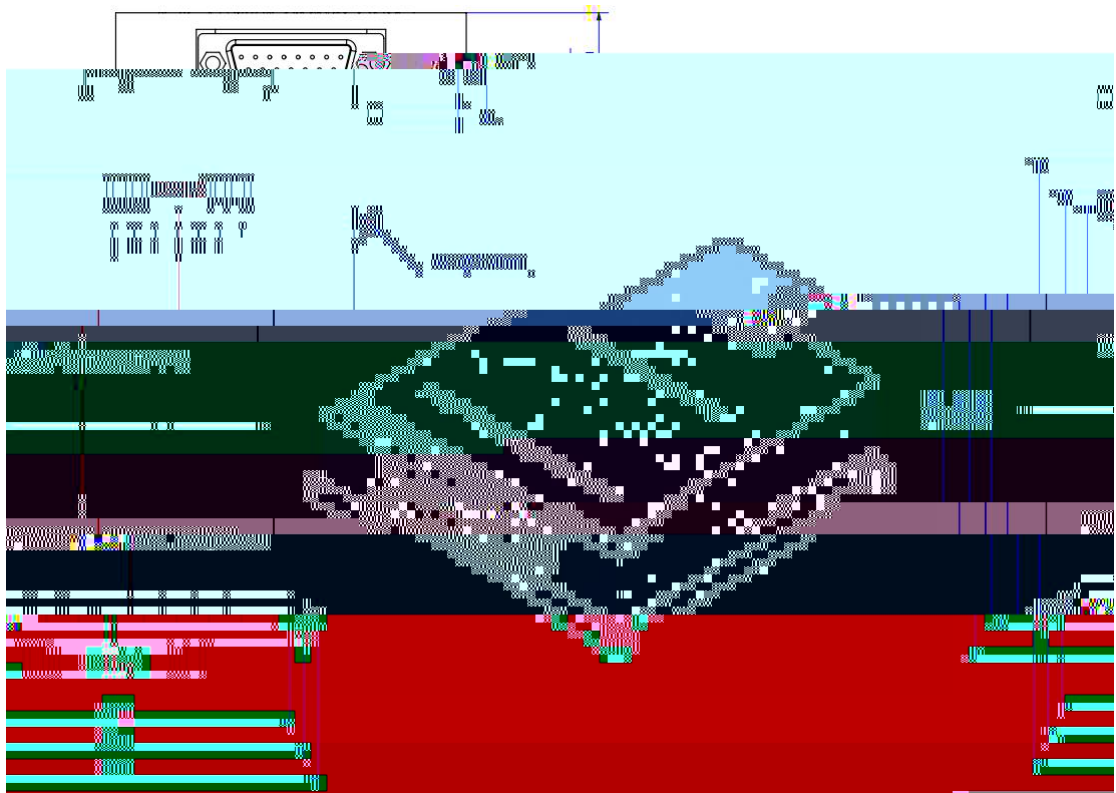
	bit	1LSB"
8	19	2.47
16	20	1.24
32	21	0.62
64	22	0.31
128	23	0.16

RS422 RS485

3.75Mbps

8

1



1∞