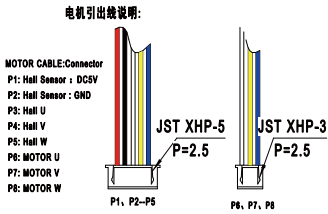
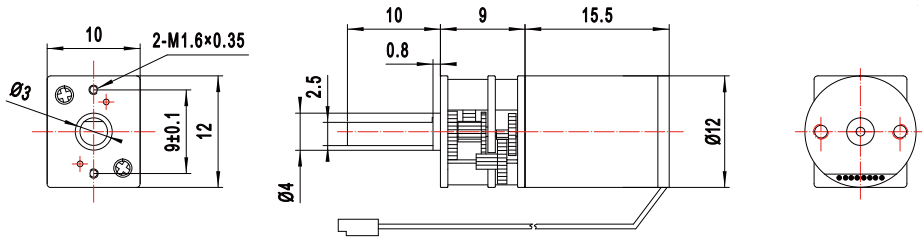


GM12-TBC1215

12mm gearbox plus 1215 permanent magnet DC motor

|                                                  |               |                                 |                                           |        |
|--------------------------------------------------|---------------|---------------------------------|-------------------------------------------|--------|
| 模数 Module                                        | 0.15          |                                 |                                           |        |
| 额定负载 Rated torque (kg.cm)                        | 0.5 kg.cm max |                                 |                                           |        |
| 瞬间允许力矩<br>Max momentary tolerance torque (kg.cm) | 1.0 kg.cm max |                                 |                                           |        |
| 减速比 Reduction ratio                              | 1/10          | 1/20、1/30<br>1/50、1/63<br>1/100 | 1/110、1/150<br>1/210、1/250<br>1/298、1/380 | 1/1000 |
| 齿轮箱减速级数 Number of gear stages                    | 2             | 4                               | 5                                         | 7      |
| 减速箱长度 Gearbox length L (mm)                      | 9.0           |                                 |                                           | 12.0   |



Weight: 16.5g(Approx)

Unit(mm)

减速电机技术参数 Gear Motor Technical Data

| 减速比 Reduction ratio |                           | 10   | 20   | 30   | 50   | 100 | 150 | 210 | 250 | 298 | 380 | 1000 |
|---------------------|---------------------------|------|------|------|------|-----|-----|-----|-----|-----|-----|------|
| 8V                  | 空载转速 No-load speed (rpm)  | 2500 | 1250 | 833  | 500  | 250 | 167 | 119 | 100 | 84  | 66  | 25   |
|                     | 负载转速 Rated speed (rpm)    | 1600 | 800  | 533  | 320  | 160 | 107 | 76  | 64  | 54  | 42  | 16   |
|                     | 负载力矩 Rated torque (kg.cm) | 0.07 | 0.12 | 0.18 | 0.29 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  |
|                     | 空载转速 No-load speed (rpm)  | 3000 | 1500 | 1000 | 600  | 300 | 200 | 143 | 120 | 101 | 79  | 30   |
| 12V                 | 负载转速 Rated speed (rpm)    | 1900 | 950  | 633  | 380  | 190 | 127 | 90  | 76  | 64  | 50  | 19   |
|                     | 负载力矩 Rated torque (kg.cm) | 0.09 | 0.14 | 0.21 | 0.36 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5  |

单电机技术参数 Motor Technical Data

| 电机型号<br>Motor model | 额定电压<br>Rated voltage | 无 负 荷 No-load |                | 额 定 Rated    |               |                |              | 堵 转 Stall     |                |
|---------------------|-----------------------|---------------|----------------|--------------|---------------|----------------|--------------|---------------|----------------|
|                     |                       | 转 速<br>Speed  | 电 流<br>Current | 转 速<br>Speed | 力 矩<br>Torque | 电 流<br>Current | 功 率<br>Power | 力 矩<br>Torque | 电 流<br>Current |
|                     | VDC                   | r/min         | mA             | r/min        | g.cm          | mA             | W            | g.cm          | A              |
| TBC1215-08250       | 8                     | 25000         | 100            | 16000        | 9             | 420            | 1.50         | 25            | 1              |
| TBC1215-12300       | 12                    | 30000         | 120            | 19000        | 11            | 420            | 2.10         | 30            | 0.95           |

