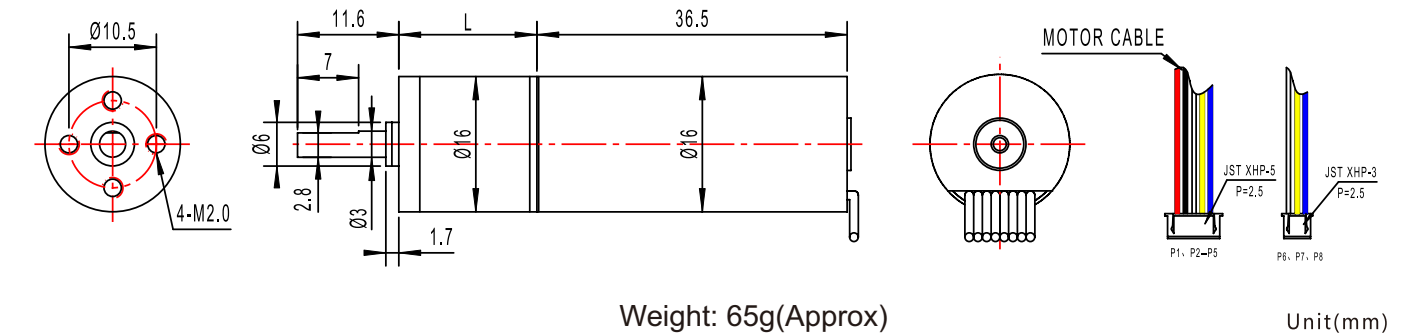


GMP16T-TBC1636

16mm gearbox plus 1636 permanent magnet DC motor

|                                                  |              |                      |                              |                                             |
|--------------------------------------------------|--------------|----------------------|------------------------------|---------------------------------------------|
| 模数 Module                                        | 0.3          |                      |                              |                                             |
| 额定负载 Rated torque (kg.cm)                        | 5kg.cm max   |                      |                              |                                             |
| 瞬间允许力矩<br>Max momentary tolerance torque (kg.cm) | 10kg.cm max  |                      |                              |                                             |
| 减速比 Reduction ratio                              | 1/4<br>1/4.5 | 1/16<br>1/18<br>1/20 | 1/64<br>1/72<br>1/81<br>1/91 | 1/256<br>1/288<br>1/324<br>1/364.5<br>1/410 |
| 齿轮箱减速级数 Number of gear stages                    | 1            | 2                    | 3                            | 4                                           |
| 减速箱长度 L (mm)                                     | 16           | 21.4                 | 26.7                         | 32                                          |



减速电机技术参数 Gear Motor Technical Data

|                     |                           |      |     |     |     |     |     |     |     |     |  |  |
|---------------------|---------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|--|--|
| 减速比 Reduction ratio |                           | 4    | 16  | 20  | 64  | 81  | 91  | 256 | 324 | 410 |  |  |
| 12.0V               | 空载转速 No-load speed (rpm)  | 2900 | 720 | 580 | 180 | 140 | 125 | 45  | 35  | 28  |  |  |
|                     | 负载转速 Rated speed (rpm)    | 2400 | 620 | 500 | 156 | 120 | 105 | 138 | 30  | 26  |  |  |
|                     | 负载力矩 Rated torque (kg.cm) | 0.1  | 0.3 | 0.4 | 1.1 | 1.5 | 1.7 | 3.9 | 5.0 | 5.0 |  |  |
| 24.0V               | 空载转速 No-load speed (rpm)  | 2900 | 720 | 580 | 180 | 140 | 125 | 45  | 35  | 28  |  |  |
|                     | 负载转速 Rated speed (rpm)    | 2400 | 620 | 400 | 156 | 120 | 105 | 138 | 30  | 26  |  |  |
|                     | 负载力矩 Rated torque (kg.cm) | 0.1  | 0.3 | 0.4 | 1.1 | 1.5 | 1.7 | 3.9 | 5.0 | 5.0 |  |  |

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              |
| TBC1636-12120       | 12                    | 12000         | 70             | 10800        | 20            | 250            | 2.2          | 200           | 2.65           |
| TBC1636-24120       | 24                    | 12000         | 45             | 10200        | 30            | 180            | 3.2          | 200           | 1.2            |

