

# GS2010MG

|                             |                                                      |               |
|-----------------------------|------------------------------------------------------|---------------|
| Control System              | Positive PWM control (1520 $\mu$ sec /330hz Neutral) |               |
| Operation Voltage Range     | 5V ~ 6.8V                                            |               |
| Operation Temperature Range | -25C°~ +70C°                                         |               |
| Test Voltage:               | At 5.0V                                              | At 6.8V       |
| Torque                      | 21kg.cm                                              | 23.5kg.cm     |
| Idle speed                  | 0.12sec / 60°                                        | 0.10sec / 60° |
| Idle current                | 400mA                                                | 500mA         |
| Running Current             | 2100mA                                               | 2900mA        |
| Death band width            | 3 $\mu$ sec                                          |               |
| Circle                      | >15000 times/ idle load                              |               |
| Direction                   | Anti-clockwise/ pulse travel 500 to 2500 $\mu$ sec   |               |
| Running degree              | 180° or 270° (when 500~2500 $\mu$ sec)               |               |
| Gear                        | Stainless Steel Gear                                 |               |
| Waterproof Level            | IP66                                                 |               |
| Drive type                  | FET drive                                            |               |
| Motor type                  | DC motor                                             |               |
| Potentiometer type          | Indirect drive                                       |               |
| Amplifier type              | Digital                                              |               |
| Size                        | 40*20*40.5mm                                         |               |
| Weight                      | 60g (without accessories)                            |               |
| Ball bearing                | Double ball bearing                                  |               |
| Gear material               | Import steel gear                                    |               |
| Case material               | Nylon plus fiber/ Aluminum Medium                    |               |
| Connector Wire Length       | 300mm                                                |               |
| Connector Wire Gauge        | 22AWG, JR Universal                                  |               |
| Brown                       | Negative                                             |               |
| Red                         | Positive                                             |               |
| Orange                      | Signal                                               |               |
| Application                 | Car model; fixed-wing aircraft; helicopter; robot.   |               |

