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## Specification Sheet

|                                    |   |
|------------------------------------|---|
| <b>Item No.</b>                    | S2909                                       |
| <b>Type</b>                        | Digital                                     |
| <b>Weight</b>                      | 72g±1g                                      |
| <b>Size</b>                        | 40*20*39.35mm                               |
| <b>Control System</b>              | (+)Pulse Width Control 1500usec Neutral     |
| <b>Operating Voltage</b>           | 6.0~7.4Volts                                |
| <b>Operating Temperature Range</b> | (-)10 to +50 degree C                       |
| <b>Operating Speed (6.0V)</b>      | 0.11sec/60° at no load                      |
| <b>Operating Speed (7.4V)</b>      | 0.09sec/60° at no load                      |
| <b>Stall Torque (6.0V)</b>         | 8kg.cm                                      |
| <b>Stall Torque (7.4V)</b>         | 11.2kg.cm                                   |
| <b>Operating Angle</b>             | 45deg.one side pulse traveling 500 usec     |
| <b>360 Modifiable</b>              | No  |
| <b>Direction</b>                   | Anticlockwise/Pulse Traveling 1000~2000usec |
| <b>Current Drain (6.0V)</b>        | 20mA/idle and 80mA no load operating        |
| <b>Current Drain (7.4V)</b>        | 20mA/idle and 100mA no load operating       |
| <b>Stall Current</b>               | 2.5A/3.0A                                   |
| <b>Dead Band Width</b>             | 2usec                                       |
| <b>Motor Type</b>                  | Coreless motor                              |
| <b>Bearing Type</b>                | ball bearing                                |
| <b>Horn gear spline</b>            | 25T   |
| <b>Gear Type</b>                   | Titanize                                    |
| <b>Connector Wire Length</b>       | 300mm±5mm                                   |
| <b>Wire info</b>                   | Brown/Black = Negative                      |
|                                    | Red = Positive                              |
|                                    | Orange/White = Signal                       |