



HIGH PERFORMANCE DIGITAL SERVOS

**Servo Name/Number:** MG1003DS 2.5Kg.cm/0.10s Micro Digital Servo

Control System	PWM Control (1500 u-sec is the central point) Dead Band: 2µs 1520µs/330hz	
Working Voltage	4.8V ~ 6.0V	
Working Temperature	-20°C ~ +60°C	
Testing Voltage	<b>@4.8V</b>	<b>@6.0V</b>
Torque	2.2kg.cm	2.5kg.cm
Idle Speed	0.12s / 60°	0.10s / 60°
Idle Current	110mA	140mA
Load Current	170mA	260mA
Dead Band	2usec	
Lifetime	> 15,000 times without load	
Moving Angle	60° ± 10°	
Drive Type	Transistor Driver	
Motor Type	Cored Motor	
Potentiometer Type	Direct Drive	
Signal Booster Type	Digital	
Size	23.2 x 12 x 25.5mm	
Weight	11g	
Ball Bearing	1BB	
Gear Material	Metal Gear	
Case Material	PA66+40%, PA66+Fibre40%	
Wire Length	180mm	
Wire Gauge No & Plug Type	26AWG, JR Plug	
Brown Wire	Negative	
Red Wire	Positive	
Orange	Signal	
Application	Radio Control Car, Aeroplane, Helicopter	

Dimensions: mm

