

Digital Micro Coreless Servo

Particular Specification

Item No.	BMS-390DMH
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1. Electrical Specification (Function Of The Performance)

1-1	Torque @ 4.8V	4.6 kg-cm / 64 oz-in
1-2	Torque @ 6.0V	5.4 kg-cm / 75 oz-in
1-3	Speed @ 4.8V	0.14 sec / 60° @ No Load
1-4	Speed @ 6.0V	0.11 sec / 60° @ No Load
1-5	Idle Current	4 mAh @ 4.8V ~ 6.0V Stopped

2. Apply Environmental Condition

2-1	Operating Voltage Range	4.8V ~ 6.0V (4 ~ 5 Cell Ni-MH)
2-2	Operating Temperature Range	-20°C ~ +60°C (-4°F ~ +140°F)
2-3	Application / Suitable	3D Aircraft, Glider, 1/12, 1/18th Car.

3. Control Specification

3-1	Control System	Digital Controller
3-2	Dead Bend Width	0.002ms (2us)
3-3	Working Frequency & Neutral	250 Hz / 1500us
3-4	Frame Rate (Signal repeat rate)	3ms (Maximum) [EX : Futaba-4PX / Sanwa-M12]
3-5	Rotating Direction	Clockwise / Pulse Traveling 1500 ~ 1900u sec
3-6	Operating Travel	90° (When 1100 ~ 1900 μ sec)

4. Mechanical Specification

4-1	Ball Bearing	Dual
4-2	Type Gears	All Metal Gears
4-3	Motor Type	Coreless Motor
4-4	Middle Case	Aluminum Alloy Heat Sink
4-5	Horn / Gear Spline	25 Teeth (Same as F-Type)
4-6	Connected Cable Length	150 mm (5.9 in)
4-7	Connected Housing	Universal Connector (J-Type)

5. Outline Drawing

5-1	Dimension (mm)	29 X 13 X 30 mm / 1.14 x 0.51 x 1.18 in
5-2	Weight (gram)	22.5 g / 0.79 oz

5-3	Product Picture / Dimension Sketch	<p>(Unit:mm)</p>
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