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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## DF Metal Geared 15Kg Standard Servo 180° (DSS-M15)

SKU:SER0019



### INTRODUCTION

DSS-M15 is a heavy-duty metal gear standard servo with 180° wide angle, high torque power, improved stability and durability. Able to take in 6V and deliver a strong torque power of over 15Kg, this tough 180° servo will never let you down when you need it. Tested with high load capacity for 12 hours long, this DSS-M15 servo demonstrates a maximum torque of 18Kg without much vibration or heat.

In addition, we enclose carefully selected steering parts, including an aluminum alloy wheel and a long bracket, to enhance servo performance.

## SPECIFICATION

No	Items	Electrical Specification	
1	Operating voltage range	4.8 - 5.2 volts	
No	Testing Environment	6 volts	7.2 volts
2	Operating speed (without payload)	0.18 sec/60°	0.16 sec/60°
3	Quiescent current	80 mA	100 mA
4	Stall Torque	13.5 kg*cm	15 kg*cm
5	Stall Current	1.8 A	2 A
6	Standby mode current	4 mA	5 mA

No	Items	Mechanical Specification
1	Materials of gear	Metal Gear
2	Limited angle	About 180°
3	Connector wire gauge	28 PVC
4	Wire length	About 320 mm
5	Horn gear spline	25T / $\phi$ 5.80
6	Geared ratio	310:1
7	Dimension	54.5 x 20 x 47.5 mm

No	Items	Control Specification
1	Control signal	RC PWM
2	Pulse width range	500 - 2500 us
3	Neutral position signal	1500 us
4	Clockwise rotation	<1500 us
5	Operating frequency	50 - 330Hz (Arduino compatible)

## SHIPPING LIST

- DSS-M15 Servo x1
- Metal round servo horn x1
- X servo horn x1
- long straight servo horn x1
- Straight servo horn x1
- M2\*8 self tapping screw x5
- M2 screw washer x5
- M3\*6 screw x1