



## 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