

SPECIFICATIONS

TD-8120MG Digital Servo

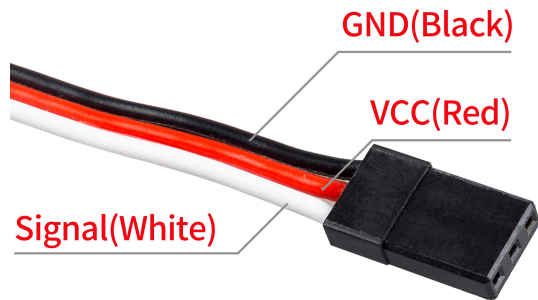


Applicably Environmental Condition

Storage Temperature Range	-30°C ~ 80°C
Temperature Range	-25°C ~ 70°C

Standard Test Environment

Temperature Range	-25°C ~ 70°C
Humidity Range	65%±10%



Mechanical Specification

Size	40.0*20.5*40.5mm
Weight	56g±5%
Gear Type	5 Metal
Limit Angle	360°
Bearing	2BB
Horn Gear Spline	25T 5.9mm
Horn Type	Plastic, POM
Case	Engineering Plastics(PBT)+Aluminum Alloy
Connector Wire	320mm±5mm
Motor	Carbon Brush Motor
Water Resistance	No

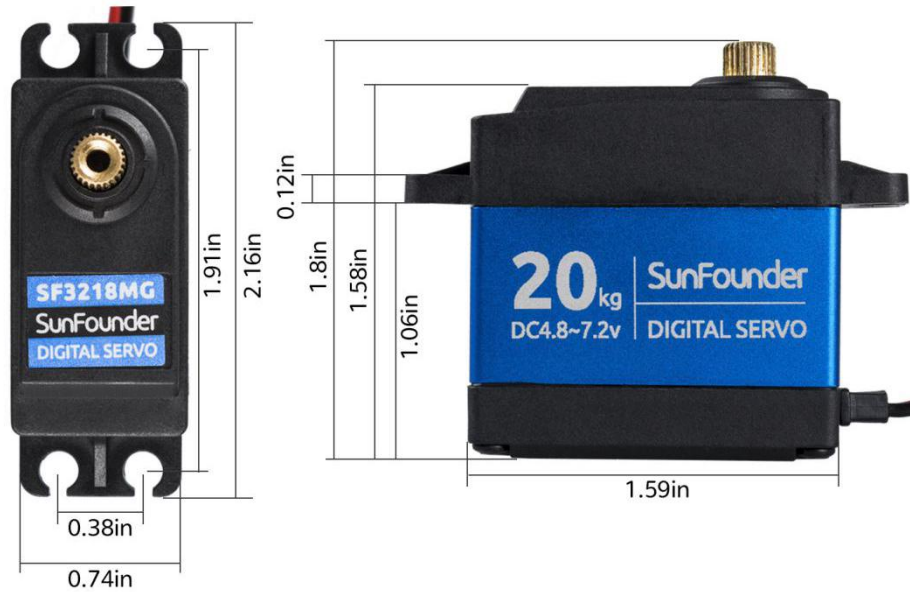
Electrical Specification

Operating Voltage	4.8V	7.2V
Idle Current	mA	mA
No Load Speed	0.18sec/60°	0.14sec/60°
No-load Current;	210mA	260mA
Stall Torque	20.5kg.cm	22.8kg.cm
Stall Current	2100mA±10%	2700mA±10%
Working Voltage Range	4.8-7.2V	

Control Specification

Command Signal	Pulse Width Modification
Amplifier Type	Digital Controller
Pulse Width Range	500 ~ 2500usec
Neutral Position	1500usec
Running Degree	270°±3°(when 500 ~ 2500usec)
Dead Band Width	5 usec
Rotating Direction	Counterclockwise (when 1000 ~ 2000usec)

Dimensions



Internal Structure

