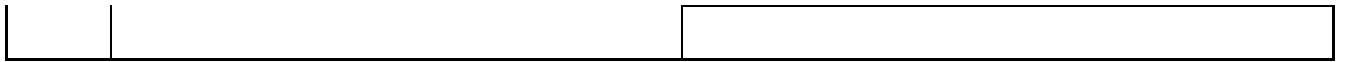


# Pro Range

Servo Model: OS5109M Datasheet



<b>SN Electrical Specification:</b>			
1	Model	<b>OS5103B</b>	
2	Input Voltage Range (VDC)	4.8V-6V	
		<a href="#">Specs@4.8V</a>	<a href="#">Specs@6V</a>
3	Rated Operating Voltage (VDC)	4.8	6
4	No Load Speed (RPM)	0.18sec/60 Degree	0.16 sec/60 Degree
5	No Load Running Current (mA)	160	190
6	Stall Torque (Kg.Cm)	9	10.2
7	Stall Current (A)	1.5 A	2 A
8	Idle Current (mA)	5mA	7mA
<b>Mechanical Specification:</b>			
9	Size (L x W x H) mm	40.8x 20x 38	
10	Case material	Nylon & Fiberglass	
11	Gear material	Metal Gear	
12	Bearing type	2 Ball bearings	
13	Angle Sensor	200 Degree	
14	Connector and Cable	Cable Length: 30 cm	
		Connector: JR	
15	Pin Definition	1.Brown: GND	
		2.Red: VCC	
		3.Orange: Signal	
16	Horn Type	Plastic, POM	
17	Operating Travel	180°	
18	Temperature protection	>70°C	



## Schematic Drawing:

