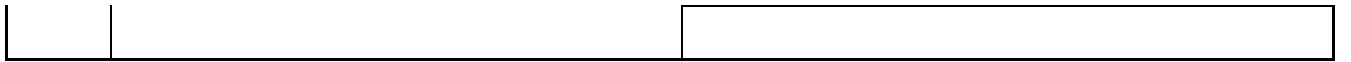




Servo Model: OS5109M Datasheet



SN Electrical Specification:			
1	Model	OS5103B	
2	Input Voltage Range (VDC)	4.8V-6V	
		Specs@4.8V	Specs@6V
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
Mechanical Specification:			
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:

