



## Servo Model: OS5103B Datasheet



SN Electrical Specification:			
1	Model	OS5103B	
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°	0.16sec/60°
5	No Load Running Current (mA)	150	180
6	Stall Torque (Kg.Cm)	3	3.2
7	Stall Current (A)	3.0A	3.5A
8	Idle Current (mA)	5mA	6mA
Mechanical Specification:			
9	Size (L x W x H) mm	41 x 20 x 38	
10	Case material	Nylon & Fibreglass	
11	Gear material	Plastic	
12	Bearing type	2 Ball bearings	
13	Angle Sensor	Type: Carbon-Film Potentiometer	
		Angle: 180°	
		Cable Length: 30 cm	
14	Connector and Cable	Connector Type : JR	
15	Pin Definition	1.Black: GND	
		2.Red: VCC	
		3.White: Signal	
16	Horn Type	Plastic, POM	
17	Operating Travel	180°	
18	Temperature protection	>70°C	

## Schematic Drawing:

