



Servo Model: OS90 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)	0.12sec/60°	0.10sec/60°
5	No Load Running Current (mA)	100	120
6	Stall Torque (Kg.Cm)	1.3	1.5
7	Stall Current (A)	.7 A	.8 A
8	Idle Current (mA)	5mA	6mA
Mechanical Specification:			
9	Size (L x W x H) mm	22.5x 12x 22.5	
10	Case material	ABS	
11	Gear material	Plastic	
12	Bearing type	2 Ball bearings	
13	Angle Sensor	Angle: 180°	
		Cable Length: 25 cm	
14	Connector and Cable	Connector and Cable	
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:

