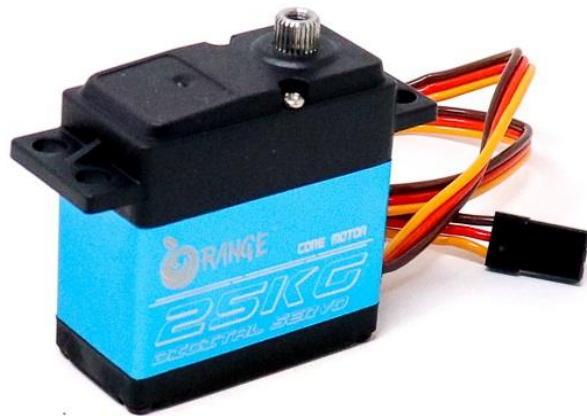




## Servo Model: OT5330M Datasheet



<b>Electrical Specification:</b>			
1	Model	<b>OT5330M</b>	
2	Input Voltage Range (VDC)	4V-8.4V	
		<a href="#">Specs@6.0V</a>	<a href="#">Specs@7.4V</a>
3	Rated Operating Voltage (VDC)	6	7.4
4	No Load Speed (RPM)	42 (0.185sec/60°)	52 (0.151sec/60°)
5	No Load Running Current (mA)	150	180
6	Stall Torque (Kg.Cm)	28.8	35.5
7	Stall Current (A)	3.2	3.8
8	Idle Current (mA)	8	8
9	Rated Torque (Kg.Cm)	9.5	11.8
10	Rated Current (mA)	1000	1200
<b>Mechanical Specification:</b>			
11	Size (L x W x H) mm	55 x 20 x 42	
12	Case material	PA + Aluminum	
13	Gear material	Steel	
14	Bearing type	Ball bearings	
15	Angle Sansor	Type: Carbon-Film Potentiometer	
		Angle: 220°	
		Life Cycle: 1000000 min	
16	Connector and Cable	Cable Length: 30 cm	
		Connector Type : JR	
17	Pin Defination	1.Brown: GND	
		2.Red: VCC	
		3.Yellow: Signal	
18	Horn Type	25T/5.9mm	
19	Gear Ratio	1/356	
20	Control System Type	Digital Comparator	
21	Operating Travel	180° Continuous	
22	Rotating Direction	CCW (±1500 →2000 μsec)	
23	Temperature protection	>70°C	

## Schematic Drawing:

