



Servo Model: OT5320M Datasheet



SN	Electrical Specification:		
1	Model	OT5320M	
2	Input Voltage Range (VDC)	4V-8.4V	
		Specs@6.0V	Specs@7.4V
3	Rated Operating Voltage (VDC)	6	7.4
4	No Load Speed (RPM)	54 (0.185sec/60°)	66 (0.151sec/60°)
5	No Load Running Current (mA)	100	120
6	Stall Torque (Kg.Cm)	16.5	20
7	Stall Current (A)	2.3A	3.0A
8	Idle Current (mA)	6mA	6mA
9	Rated Torque (Kg.Cm)	5.5	6.5
10	Rated Current (mA)	800	1000
Mechanical Specification:			
11	Size (L x W x H) mm	55 x 20 x 42	
12	Case material	PA + Aluminum	
13	Gear material	Copper	
14	Bearing type	Ball bearings	
15	Angle Sansor	Type: Carbon-Film Potentiometer	
		Angle: 180°	
		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	1/275	
20	Control System Type	Digital Comparator	
21	Operating Travel	180° (at 500 → 2500µsec)	
22	Rotating Direction	CCW (±1500 → 2000 µsec)	
23	Temperature protection	>70°C	

Schematic Drawing:

