



Servo Model: OT6560 Datasheet



SN Electrical Specification:			
1	Model	OT6560	
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)	0.15sec/60°	0.13 sec/60°
5	No Load Running Current (mA)	190	250
6	Peak Stall Torque (Kg.Cm)	48	62
7	Stall Current (A)	3.2	3.8
8	Idle Current (mA)	5	6
9	Rated Torque (Kg.Cm)	40	60
Mechanical Specification:			
10	Size (L x W x H) mm	65 x 30 x 60	
11	Case material	PA + Aluminum	
12	Gear material	Steel	
13	Bearing type	Ball bearings	
14	Angle Sensor	Type: Carbon-Film Potentiometer	
		Angle: 220°	
		Life Cycle: 1000000 min	
15	Connector and Cable	Cable Length: 30 cm	
		Connector Type : JR	
16	Pin Defination	1.Brown: GND	
		2.Red: VCC	
		3.Yellow: Signal	
17	Horn Type	25T/5.9mm	
18	Gear Ratio	1/356	
19	Control System Type	Digital Comparator	
20	Operating Travel	120°	
21	Rotating Direction	CCW (±1500 →2000 μsec)	
22	Temperature protection	>70°C	

Schematic Drawing:

