SHENZHEN SKY STAR TECHNOLOGY CO., LTD

Data Sheet of MG90S Analog Servo Motor

Products Specifcation

Products Name:MG90S Analog servo		Products No.	
1. Apı	oly Environmental Conditon		
No.	Item	Specifcation	
1.1	Storage Temperature Range	-30°C∼80°C	
1.2	Operating Temperature Range	-25°C∼70°C	
2.Star	ndard Test Environment		
No.	Item	Specifcation	
2.1	Temperature Range	-25°C∼70°C	
2.2	Humidity Range	65%±10%	
3. Me	chanical Specification		
No.	Item	Specifcation	
3.1	Size	22.4*12.1*22.8mm	
3.2	Weight	13.5g±5%	
3.3	Gear type	Metal	
3.4	Limit angle	200°±5°	
3.5	Bearing	NO	
3.6	Horn gear spline	20T Diameter:4.9mm	
3.7	Horn type	Plastic, POM	
3.8	Case	Engineering plastics(PBT)	
3.9	Connector wire	250mm±5mm	
3.10	Motor	Carbon brush motor	
3.11	Splash water resistance	No	
4.Elec	trical Specification		
No.	Operat voltage	4.8V	6.0V
4.1	Idle current	mA	mA
4.2	No load speed	0.12sec/60°	0.09sec/60°
4.3	Runnig current	90mA	90mA
4.4	Peak stall torque	1.8kg.cm	2.0kg.cm
4.5	Stall current	750mA±10%	860mA±10%
5.Con	trol Specification		
No.	Item	Specifcation	
5.1	Command signal	Pulse width modification	
5.2	Amplifier type	Analog controller	
5.3	Pulse width range	500~2500usec	
5.4	Neutral position	1500usec	
5.5	Running degree	180°±3°(when 500~2500usec)	
5.6	Dead band width	5 usec	
5.7	Rotating direction	Counterclockwise (when 1000~2000usec)	

