Apply Environmental Condition:			
No.	Item	Specification	
1-1	Storage Temperature Range	-20℃ ~60℃	
1-2	Operating Temperature Range	-10℃~50℃	
1-3	Operating Voltage Range	4.5V~7.2V	

Standard Test Environment:

		Every characteristic of the inspect must be normal
		temperature and humidity carry out the test, temperature
2-1	Standard Test Environment	25±5℃ and relative humidity 65±10% of judgment made in
		accordance with this specification standard testing
		conditions.

Electrical Specification (Function of the Performance):

No.	Item	4.8V	6.0V
4-1	Operating speed (at no load)	0.08 sec/60°	$0.07 \ \sec/60^{\circ}$
4-2	Running current (at no load)	200 mA	220 mA
4-3	Stall torque (at locked)	2.3 kg-cm	2.8 kg-cm
4-4	Stall current (at locked)	1000 mA	1300 mA
4-5	Idle current (at stopped)	4 mA	5 mA

Note: Item 4-2 definition is average value when the servo running with no load

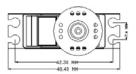
Mechanical Specification:

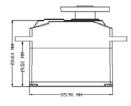
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No.	Item	Specification
5-1	Overall Dimensions	See the drawing
5-2	Limit angle	180°± 10°
5-3	Weight	25 ± 1 grams (without servo horn)
5-4	Connector wire gauge	#26 PVC
5-5	Connector wire length	150 ± 5 mm
5-6	Horn gear spline	$25T/\phi 5.77$
5-7	Horn type	Cross , Disk , Star, Bar
5-8	Reduction ratio	1/160

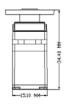
Control Specification:

No.	Item	Specification	
6-1	Control system	Pulse width modification	
6-2	Amplifier type	Digital controller	
6-3	Operating travel	90° (when1000→2000 μ sec)	
6-4	Neutral position	1500 $\mu \sec$	
6-5	Dead band width	$2 \mu \sec$	
6-6	Rotating direction	Clockwise (when 1500 \rightarrow 2000 μ sec)	
6-7	Pulse width range	$800\rightarrow2200~\mu\mathrm{sec}$	
6-8	Maximum travel	Approx 165° (when $800 \rightarrow 2200 \ \mu \text{ sec}$)	











Product Name
SERVO