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~6V

Standard Test Environment:

2-1	Standard Toot Engreenment	Every characteristic of the inspect must be normal temperature and humidity carry out the test , temperature 25±5 $^\circ\!\mathrm{C}$ and relative humidity 65±10% of judgment made in accordance with this specification standard testing conditions.
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Electrical Specification (Function of the Performance):

No.	Item	4.8V	6.0V
4-1	Operating speed (at no load)	$0.12 \text{ sec}/60^{\circ}$	0.11 sec/60°
4-2	Running current (at no load)	160 mA	180 mA
4-3	Stall torque (at locked)	2.0 kg-cm	2.7 kg-cm
4-4	Stall current (at locked)	680 mA	800 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

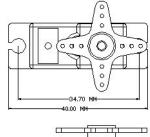
Mechanical Specification:

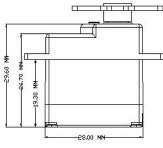
No.	Item	Specification	
5-1	Overall Dimensions	See the drawing	
5-2	Limit angle	180°± 10°	
5-3	Weight	17 ± 1 grams (without servo horn)	
5-4	Connector wire gauge	#26 PVC	
5-5	Connector wire length	150 ± 5 mm	
5-6	Horn gear spline	25T/ ϕ 5.77	
5-7	Horn type	Cross, Disk, Star, Bar	
5-8	Reduction ratio	1/313	

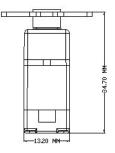
Control Specification:

No.	Item	Specification	
6-1	Control system	Pulse width modification	
6-2	Amplifier type	Analog controller	
6-3	Operating travel	90° (when1000→2000 μ sec)	
6-4	Neutral position	1500 $\mu \sec$	
6-5	Dead band width	7 $\mu \sec$	
6-6	Rotating direction	Clockwise (when1500→2000 µ sec)	
6-7	Pulse width range	800→2200 μ sec	
6-8	Maximum travel	Approx 165° (when $800 \rightarrow 2200 \ \mu \text{ sec}$)	









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Product Name
SERVO