

GS-2502 SPECIFICATION CHART

1. Apply Environmental Condition:

No.	Item	Specification
1-1	Storage Temperature Range	-20°C ~ 60°C
2-2	Operating Temperature Range	-10°C ~ 50°C
3-3	Operating Voltage Range	4.5V ~ 6V

2. Standard Test Environment:

2-1	Standard Test Environment	Every item should be tested under normal temperature and humidity (temperature: 25 ± 5°C, relative humidity: 65 ± 10%), and the characteristic should be judged according to the standard test conditions of the specifications.
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3. Appearance Inspection:

No.	Item	Specification
3-1	Overall Dimensions	See the drawings
3-2	Appearance	No damage, no function defects

4. Electrical Specification (Function of the Performance):

No.	Item	3.7V	6.0V
4-1	Operating speed (at no load)	0.08 sec/60°	
4-2	Running current (at no load)	35 mA	
4-3	Stall torque (at locked)	0. 20 kg-cm	
4-4	Stall current (at locked)	160 mA	
4-5	Idle current (at stopped)	4 mA	

5. Mechanical Specification:

No.	Item	Specification
5-1	Overall Dimensions	See the drawings
5-2	Limit angle	180°± 10°
5-3	Weight	2.5g ± 1 g
5-4	Connector wire gauge	# 32 PVC
5-5	Connector wire length	100 ± 5 mm
5-6	Horn gear spline	20T/ψ3.85
5-7	Horn type	Cross, bar -type
5-8	Reduction ratio	1/448

6. Control Specification:

No.	Item	Specification
6-1	Control system	Change the pulse width
6-2	Amplifier type	Analog controller
6-3	Operating travel	70° (1000→2000 μsec)
6-4	Neutral position	1500 μsec
6-5	Dead band width	10 μsec
6-6	Rotating direction	Clockwise (1500→2000 μsec)
6-7	Pulse width range	700→2300 μsec
6-8	Maximum travel	About 145°(800→2200 μsec)

