

Datasheet

(编号:)

客户 : _____

Item : 25 kg semi-aluminum steering gear

修改记录

版次	记录	日期
1	资料审核	2020/8/28

1. Environmental conditions of use

No.	Project	specification
1-1	storage temperature	20~60%RH
1-2	operating temperature	-2~+50°C
1-3	working voltage	4.8V~6.0V

2. testing environment

2-1	testing environment	Each inspection must be performed at normal temperature and humidity measurements, with a temperature of 25 ± 5 °C and a relative humidity of $65 \pm 10\%$, judged under standard test conditions in accordance with this specification.
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3. appearance inspection

No.	Project	specification
3-1	appearance	No damage, not allowed to affect the function

4. electrical specification

No.	Project	5.0V	6.0V
4-1	no-load speed	0.16±0.01 sec/60°	0.14±0.01 sec/60°
4-2	no-load current	600±10mA	750±10mA
4-3	Gridlock torque	15±0.01kg·cm	18±0.1kg·cm
4-4	locked-rotor current	3000±30mA	3500±30mA
4-5	standby current	10±5mA	10±5mA
4-6	No-load life	>8000 次	>7000 次

Note: When the average value is defined in Item 4-2, the server is running without load

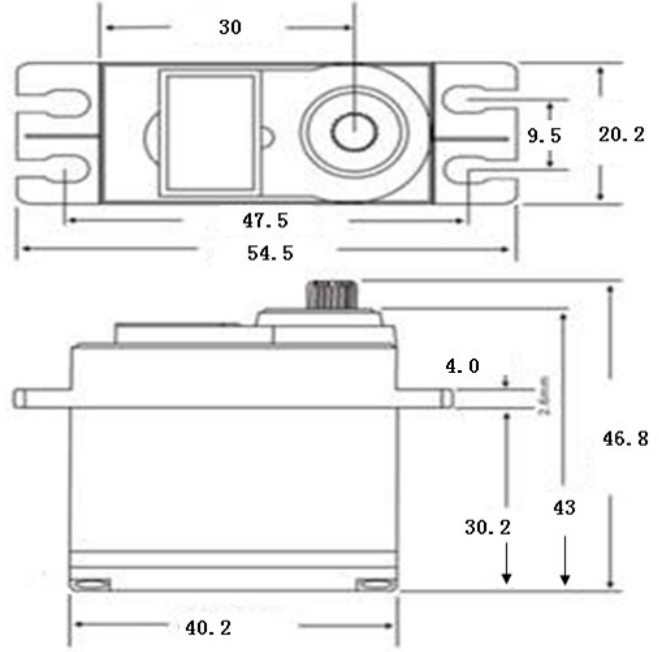
5. mechanical characteristics

No.	Project	specification
5-1	Mechanical limit Angle	infinite
5-2	weight	58g± 2g
5-3	Wire specification	#
5-4	Wire length	300± 5 mm
5-5	Rudder arm specification	25T
5-6	Gear dummy	≤1°
5-7	Gear material	Copper teeth + aluminum plated titanium

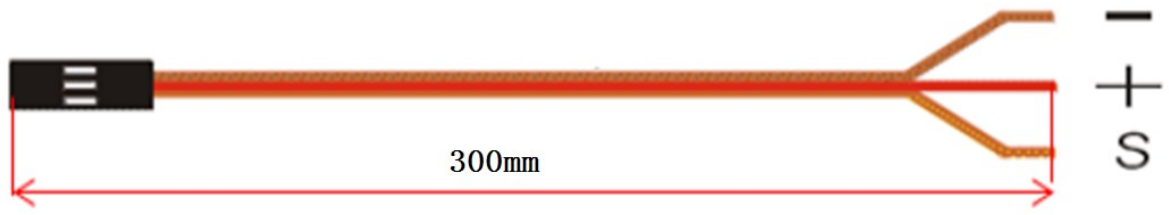
6. Control specificity

No.	Project	specification
6-1	control mode	Change pulse width
6-2	Controller type	Digital controller (single chip microcomputer)
6-3	Operating Angle	270°± 8° (在 500→2500 μ sec)
6-4	Lateral Angle difference	≤ 6°
6-5	Deviation of return center	≤ 1.0°
6-6	Neutral position	1500 μ sec
6-7	Pulse width signal null	≤ 6 μ sec
6-8	Running direction	anticlockwise (在 500→2500 μ sec)
6-9	Pulse width range	500→2500 μ sec
6-10	Controllable Angle range	About 270° (在 500→2500 μ sec)

7. boundary dimension



8. Connection square type



9. Physical map

