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ELECTRONICS

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Jameco Part Number 159418

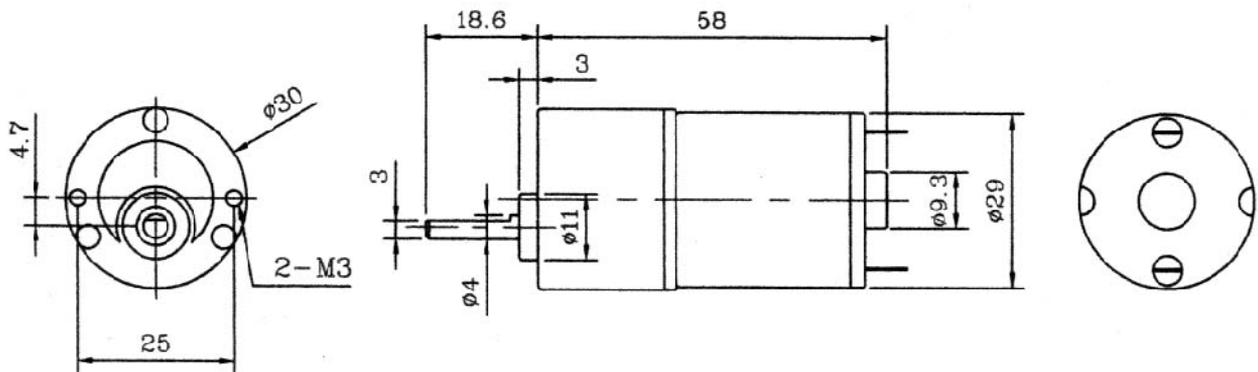
| Date | Rev. | Description |
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SPECIFICATION SHEET

PAGE: 1/3

CUSTOMER NAME: GOLDSUN ELECTRONICS CO., LTD.
 TYPE: HN-GH30GM TYPE
 MODEL: HN-GH12-1921Y-R
 CUSTOMER PART NO.: 159418

I. OUTER DIMENSIONS :



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| DCC. NO. |
| A4 DRAWING NO. |

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|------------------------------------|--------|--------------------------------------|-----------------------------|---------|
| MATERIAL | | GOLDSUN ELECTRONICS CO., LTD. | | |
| | | | | |
| DRWN: Kiki Chen | | JAMECO NO. 159418 | GOLDSUN NO. HN-GH12-1921Y-R | |
| VERIFY PEOPLE: Ada Zheng , Ivy Lan | | Description MOTOR GEAR | | Rev. 1 |
| UNIT: mm | SCALE: | SHEET 1 OF 1 | CAS No: | ERN No: |

| Date | Rev. | Description |
|------|------|-------------|
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SPECIFICATION SHEET

PAGE: 2/3

CUSTOMER NAME: GOLDSUN ELECTRONICS CO., LTD.
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II. SPECIFICATIONS :

1. TESTING CONDITIONS:
 ENVIRONMENT TEMPERATURE: 25 DEGREES CELSIUS.
 RELATED HUMIDITY: 60%.
 TESTING POSITION: THE GEARMOTOR LIES IN HORIZONTAL POSITION.
2. RATED VOLTAGE(POWER SUPPLY): DC12V.
 THE POWER SUPPLY MUST BE PURE DC(DIRECT CURRENT) AND CAN NOT CARRY ANY AC(ALTERNATING CURRENT).
3. GEAR RATIO: 132:1.
4. RATED LOAD AT DC12V : 2Kg-cm.
 DON'T EXCEED RATED LOAD. OVERLOADING CAN CAUSE DAMAGE TO GEARMOTOR.
5. NO LOAD SPEED AT DC12V: 34RPM+/-10%.
6. SPEED AT DC12V & RATED LOAD(2Kg-cm): 25RPM+/-10%.
7. NO LOAD CURRENT AT DC12V: LOWER THAN 51mA.
8. CURRENT AT DC12V & RATED LOAD(2Kg-cm): LOWER THAN 136mA.
9. SHAFT END PLAY: MAXIMUM 0.8m/m.
10. INSULATION RESISTANCE: 10M ohm AT DC300V.
11. WITHSTAND VOLTAGE: DC300V FOR ONE SECOND.
12. THE GEARMOTOR IS NOT INTENDED FOR INSTANT REVERSE. BE SURE THE GEARMOTOR IS STOPPED BEFORE REVERSING.
13. THE GEARMOTOR DOESN'T HAVE ANY PROTECTIVE MEASURES LIKE WATER-PROOF, DUST- PROOF, ETC..... PLEASE USE IT IN THE NORMAL ENVIRONMENT AND TEMPERATURE.
14. IF YOU HAVE ANY QUESTIONS ABOUT THE SPECIFICATIONS AND DIMENSIONS, KINDLY PLEASE FEEL FREE TO CONTACT US.

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| | MATERIAL | GOLDSUN ELECTRONICS CO., LTD. | | |
| | | JAMECO NO. 159418 | GOLDSUN NO. HN-GH12-1921Y-R | |
| DCC. NO. | DRWN: Kiki Chen | Description MOTOR GEAR | | Rev. 2 |
| A4 DRAWING NO. | VERIFY PEOPLE: Ada Zheng , Ivy Lan | UNIT: mm | SCALE: | SHEET 1 OF 1 |
| | | | | CAS No: ERN No: |

| Date | Rev. | Description |
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SPECIFICATION SHEET

PAGE: 3/3

CUSTOMER NAME: GOLDSUN ELECTRONICS CO., LTD.
 TYPE: HN-GH30GM TYPE
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 CUSTOMER PART NO.: 159418

III. GUARANTEE :

A period of six months from the shipping date shall be provided by us as the guarantee. But our company shall not be liable for any failures which is resulted upon reaching 300 hours of services life or due to improper application, maintenance, installation, man-made negligence and natural disaster.

All our products are made according to the specifications we offered you. Should a problem occur, then the specifications shall be based and no objections shall be held by you. In case if the delivered DC gearmotors are in contradictory with the specifications within the guarantee period, in absence of proviso stated in the aforesaid provision, then our company will accept repair or replacement in our factory and or refund. However, our company shall not be liable for any additional responsibilities.

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| DCC. NO. | MATERIAL | GOLDSUN ELECTRONICS CO., LTD. | | | |
| | | JAMECO NO. 159418 | GOLDSUN NO. HN-GH12-1921Y-R | | |
| A4 DRAWING NO. | DRWN: Kiki Chen | Description | | Rev. | 3 |
| | VERIFY PEOPLE: Ada Zheng , Ivy Lan | MOTOR GEAR | | | |
| | | UNIT: mm | SCALE: | SHEET 1 OF 1 | CAS No: ERN No: |