MOONS' DC MOTOR
MOONS' PO GEARBOX

Shanghai Moons' Electric Co., Ltd.

This document is released for information only. Its reproduction in whole or in part or its dissemination to third parties is prohibited. All trademarks and registered trademarks appearing on this document are the property of their respective owners.

REV. A SCALE 1:1 SHEET 1 OF 1

---

**Specifications**

- **Nominal voltage**: 6 V
- **No load speed**: 36 rpm
- **Nominal current**: 0.364 mA
- **Stall torque**: 1.65 Nm
- **Stall current**: 1.58 A
- **Ambient temperature**: -20°C to 46°C
- **Weight**: 9.3 g
- **Terminal resistance (motor)**: 3.8 Ω
- **Torque constant (motor)**: 5.86 mNm/A
- **Speed constant (motor)**: 1630 rpm/V
- **Torque gradient (motor)**: 1066 rpm/mNm
- **Brushes (motor)**: Precious metal brushes
- **Number of stages (gearhead)**: 4
- **Efficiency (gearhead)**: 65%

---

**Performance**

- **Max. continuous torque (gearhead output limit)**: 500 mNm
- **Max. continuous current (gearhead output limit)**: 0.364 mA

---

**Notes**

- **Model**: M001-0600-0800
- **Gears**: Z-3220
- **Material**: Aluminum alloy
- **Finish**: Black anodized

---

**Diagram**

- **Diagram of the motor and gearhead assembly**

---

**Additional Information**

- **Quality Control**: Regularly inspected and verified.
- **Design**: Designed for durability and efficiency.

---

**Bar Code**

- **Barcode**: Contains the model number and production date.

---

**References**

- **Revision Record**: Original revision (A1) 2018.11.03
- **Presentation**: For further details and specifications, refer to the technical documentation provided by Shanghai Moons' Electric Co., Ltd.