

规格/Specification

| | | |
|--|------------------------|---------|
| 额定电压/Nominal voltage | 12 | V |
| 空载转速/No-load speed (±10%) | 193 | rpm |
| 空载电流/No-load current (max) | 46.2 | mA |
| 额定转速/Nominal speed | 130 | rpm |
| 最大连续转矩/Max. continuous torque (motor thermal limit) | 80 | mNm |
| 最大连续电流/Max. continuous current (motor thermal limit) | 0.217 | A |
| 堵转转矩/Stall torque | 0.28 | Nm |
| 堵转电流/Stall current | 0.65 | A |
| 环境温度范围/Ambient temperature | -20~+65 | °C |
| 绝缘等级/Insulation class | B | |
| 重量/Weight | 32.6 | g |
| 端电阻/Terminal resistance (motor) (±8%) | 18.6 | Ω |
| 转矩常数/Torque constant (motor) (±8%) | 8.76 | mNm/A |
| 转速常数/Speed constant (motor) (±8%) | 1090 | rpm/V |
| 转速/转矩斜率/Speed/torque gradient (motor) | 2314 | rpm/mNm |
| 电机空载转速/No-load speed (motor) | 12900 | rpm |
| 电刷类型/Brushes type (motor) | Precious metal brushes | |
| 轴向间隙/Axial play (gearhead) | ≤0.25 | mm |
| 级数/Number of stages (gearhead) | 3 | |
| 减速比/Reduction ratio (gearhead) | 66.87:1 | |
| 效率/Efficiency (gearhead) | 73% | |

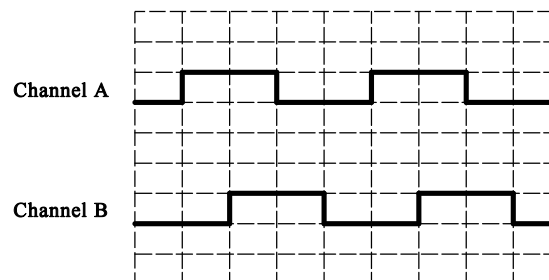
A-A

Connector: Lumburg Mica 06

线束相对于安装孔的位置±30°

| PIN No. | 功能/Function |
|---------|-------------|
| 1 | Motor (+) |
| 2 | Vcc (5V) |
| 3 | Channel A |
| 4 | Channel B |
| 5 | GND |
| 6 | Motor (-) |

输出信号/Output Signal



铭牌/Label Detail

MOONS'

| | |
|--------------|------------------|
| Motor Type | DCU13020P12-S008 |
| Encoder Type | RS13-16 |
| Gearbox Type | PG13C-0066 |
| Work Order | XXXXXXXX YYYY |
| Serial No. | |

备注：二维码内包含产品名称、工单号、序列号。

Unit: mm

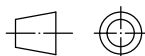
第一角画法
FIRST ANGLE METHOD

未注线性与角度尺寸公差
Tolerances for linear and angular dimensions without individual tolerance indications

GB/T 1804-m eqv ISO 2768-1:m

未注形状与位置尺寸公差
Geometrical tolerance for features without individual tolerance indications

GB/T 1184-K eqv ISO 2768-2:K



批准 Approve

标准化 Standard

工艺 Technology

审核 Check

设计 Design

邹文 2021.08.24

MOONS'

Coreless Brushed DC Motor

Shanghai Moons' Electric Co., Ltd.

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A0 原始版本 Original revision 2021.08.24

REV. 版本记录 REVISION RECORD DATE

UNLESS OTHERWISE SPECIFIED

NAMES

SIGNATURE

DATE

Type: DCU13020P12-S008 + RS13-16 + PG13C-0066

Rev. A0

SCALE 2:1

SHEET 1 OF 1