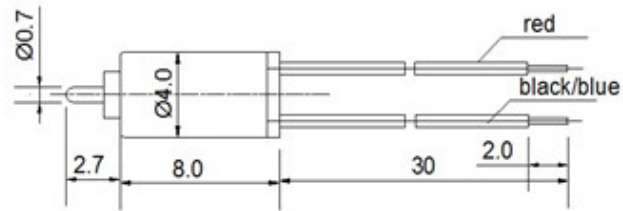


DC coreless motor 4mm / 直流空心杯馬達 4mm

Ø4mm, precious metal brushes/Ø4mm, 貴金屬電刷

Outline Drawing/外形圖



Widely used in model aircraft, electric toys, digital camera, and medical devices / 廣泛用於航模, 電動玩具, 數碼相機, 醫療器械

| 408 Series / 408系列 | Model/型號 | 001 | 002 | 003 | 004 | 005 | 006 | 007 |
|--------------------|----------|-----|-----|-----|-----|-----|-----|-----|
|--------------------|----------|-----|-----|-----|-----|-----|-----|-----|

Motor data (25°C) / 運行參數 (25°C)

| | | | | | | | | |
|---------------------------|----------|--------|--------|--------|--------|--|--|--|
| 1 Assigned power/標稱功率 | W | 0.03 | 0.02 | 0.11 | 0.07 | | | |
| 2 Nominal voltage/額定電壓 | Volt | 1.3 | 1.3 | 3 | 3 | | | |
| 3 Terminal resistance/端電阻 | ±15% Ohm | 9.9 | 15 | 15 | 25 | | | |
| 4 No-Load speed/空載轉速 | ±12% rpm | 26,100 | 25,000 | 56,000 | 47,200 | | | |
| 5 No-Load current/空載電流 | ≤150% mA | 32 | 20 | 50 | 20 | | | |
| 6 Speed constant/速度常數 | rpm/V | 20,077 | 19,231 | 18,667 | 15,733 | | | |
| 7 Torque constant/轉矩常數 | mNm/A | 0.36 | 0.38 | 0.38 | 0.51 | | | |
| 8 Starting current/啟動電流 | mA | 131 | 87 | 200 | 120 | | | |
| 9 Stall torque/堵轉轉矩 | mNm | 0.05 | 0.03 | 0.08 | 0.06 | | | |
| 12 Max. efficiency/最大效率 | % | 26 | 27 | 25 | 35 | | | |

At max. efficiency/最大效率點

| | | | | | | | | |
|--------------|-----|--------|--------|--------|--------|--|--|--|
| 1 Current/電流 | mA | 65 | 38 | 80 | 45 | | | |
| 2 Torque/轉矩 | mNm | 0.02 | 0.01 | 0.03 | 0.02 | | | |
| 3 Speed/轉速 | rpm | 13,181 | 14,038 | 33,600 | 29,500 | | | |
| 4 Power /功率 | W | 0.03 | 0.021 | 0.108 | 0.070 | | | |

At max. output/最大輸出功率點

| | | | | | | | | |
|--------------|-----|--------|--------|--------|--------|--|--|--|
| 1 Current/電流 | mA | 80 | 43 | 100 | 60 | | | |
| 2 Torque/轉矩 | mNm | 0.03 | 0.02 | 0.04 | 0.03 | | | |
| 3 Speed/轉速 | rpm | 10,199 | 12,596 | 28,000 | 23,600 | | | |
| 4 Power /功率 | W | 0.031 | 0.022 | 0.113 | 0.075 | | | |

Additional information/其它相關信息

- Axial play/軸向間隙 0.05~0.30 mm
- Force for press-fits/最大允許安裝力
 - Radial /徑向 0.8N
 - Axial/軸向 9.8N
- Ambient temperature range/環境溫度範圍 -20~+65°C
- Max. rotor temperature/轉子承受最高溫度 +85°C
- Weight of motor/電機重量 0.5g
- Motor parameters can be made according to the request of customer/馬達參數可根據客人要求制作
- Options: Output shaft length, leadwire length, /其它可選項: 出力軸長, 引線長度,



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