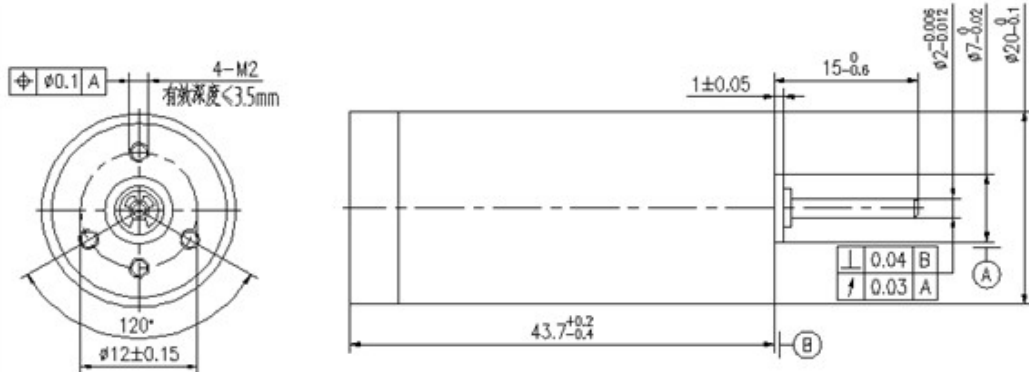


DC coreless motor 20mm/直流空心杯馬達 20mm

Ø20mm, precious metal brushes/Ø20mm,貴金屬電刷

Typical Applications Laser Swinger, Dental Instrument
Medical Equipment, Offset Printing Machine
典型應用 激光掃平儀, 牙科設備, 醫療設備, 膠印機



2043 Series / 2043系列	Model/型號	001	002	003	004	005	006	007
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Motor data (25°C)/運行參數 (25°C)

1 Assigned power/標稱功率	W	3.2						
2 Nominal voltage/額定電壓	Volt	9						
3 Terminal resistance/端電阻 ±15%	Ohm	2.2						
4 No-Load speed/空載轉速 ±12%	rpm	8,030						
5 No-Load current/空載電流 ≤150%	mA	28.2						
6 Speed constant/速度常數	rpm/V	892						
7 Torque constant/轉矩常數	mNm/A	10.63						
8 Starting current/啟動電流	mA	4,091						
9 Stall torque/堵轉轉矩	mNm	43.50						
10 Mechanical time constant/機械時間常數	ms	6						
11 Rotor inertia/轉動慣量	gcm ²	3.150						
12 Max. efficiency/最大效率	%	84						

Limits for continuous operating/電機連續運行區域上限

1 Max. continuous current/最大連續工作電流	mA	396						
2 Max. continuous torque/最大連續工作轉矩	mNm	4.21						
3 Nominal speed/最大連續工作電流下的轉速	rpm	7,253						
4 Max. continuous power 最大連續輸出功率	W	3.20						

Additional information/其它相關信息

- Axial play (measured at 4N axial force)/軸向間隙 (沿軸向施加4N力時的間隙) 0.05~0.15 mm
- Max. sleeve bearing loads/滑動軸承最大載荷
 - Axial (dynamic)/軸向(動態) 1.0N
 - Radial (4 mm from jamming ring)/徑向 (卡簧外4mm) 2.7N
 - Force for press-fits (static)/最大允許安裝力(靜態) 80N
- Max. radial play sleeve bearing/滑動軸承最大徑向間隙 0.02 mm
- 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 61g
- Options: gearbox and ball bearings/其它可選項: 減速器和滾動軸承



Z. X. D TECHNOLOGY CO., LTD

Add: No 8, South 2nd Road Xinfu, Xinqiao, Shajing Town, Shenzhen City, China
 Tel: 86-755-33509305-802 Fax: 86-755-23086306
 Website: <http://www.zxd-motor.com> Email: jeff@zxd-motor.com