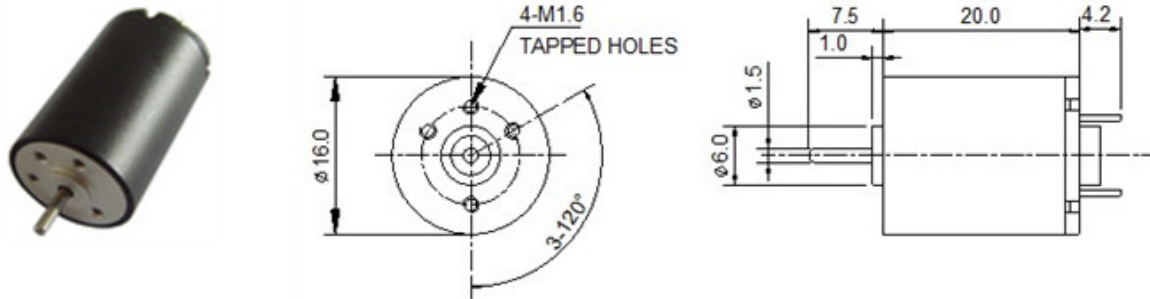


DC coreless motor 16mm / 直流空心杯馬達 16mm

Ø16mm, precious metal brushes/Ø16mm, 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

Outline Drawing/外形圖



1620 Series / 1620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		1.0	1.0	1.0	1.0			
2 Nominal voltage/額定電壓	Volt		5	10	15	3.2			
3 Terminal resistance/端電阻	±15% Ohm		8.6	14.4	66.3	1.3			
4 No-Load speed/空載轉速	±12% rpm		10,000	12,000	8,500	48,000			
5 No-Load current/空載電流	≤150% mA		14	15	13	135			
6 Speed constant/速度常數	rpm/V		2,000	1,200	567	15,000			
7 Torque constant/轉矩常數	mNm/A		4.66	7.79	15.89	0.60			
8 Starting current/啟動電流	mA		581	694	226	2,462			
9 Stall torque/堵轉轉矩	mNm		2.71	5.41	3.60	1.48			
10 Mechanical time constant/機械時間常數	ms		12	10	12	9			
11 Rotor inertia/轉動慣量	gcm ²		1.060	0.960	1.100	1.100			
12 Max. efficiency/最大效率	%		71	73	58	59			
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		40	35	40	41			
2 Max. continuous torque/最大連續工作轉矩	mNm		0.19	0.27	0.64	0.02			
3 Nominal speed/最大連續工作電流下的轉速	rpm		9,312	11,395	6,997	47,201			
4 Max. continuous power/最大連續輸出功率	W		0.18	0.325	0.47	0.12			
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)									0.8N
Radial (4 mm from jamming ring)/徑向 (卡簧外4mm)									1.4 N
Force for press-fits (static)/最大允許安裝力(靜態)									15N
● 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									19g
● Options: gearbox/其它可選項: 減速器									



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