

2224N5M2B $\varnothing 22\text{mm} \times 24\text{mm}$, 贵金属电刷 Precious Metal Brushes

应用领域：医疗、保健、汽车、机器人、工业自动化等精密驱动领域。
Applications: precision drives in medical equipment and devices, healthcare products, automotive, robotics, and industrial automation.

				16-64-6.0	18-83-12.0	19-82-18.0				
电机参数 / Motor Data										
1	电压	Voltage	V	6.0	12.0	18.0				
2	端电阻	Terminal resistance	Ω	6.8	6.8	19.6				
3	空载转速	No-load speed	rpm	6400	8300	8200				
4	空载电流	No-load current	mA	10	15	10				
5	堵转转矩	Stall torque	mNm	7.7	23.9	18.9				
6	堵转电流	Stall current	mA	880	1760	920				
7	额定转矩	Nominal torque	mNm	1.5	5.0	4.0				
8	额定转速	Nominal speed	rpm	5150	6560	6460				
9	额定电流	Nominal current	mA	180	380	200				
10	最大输出功率	Max. output power	W	1.3	5.2	4.1				
11	最大效率	Max. efficiency	%	80	82	80				
12	反电势常数	Back-EMF constant	mV/rpm	0.9	1.4	2.2				
13	转矩常数	Torque constant	mNm/A	8.9	13.7	20.7				
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	800	300	400				
15	转子惯量	Rotor inertia	gcm ²	2.4	2.4	2.4				
16	重量	Weight	g	40	40	40				
热参数 / Thermal Data				特性曲线 / Characteristics Curve						
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	22.3	2224N5M2B16-64-6.0 — 转速 (N) — 电流 (I) - - - 效率 (η) —— 功率 (P) 仅供参考，详细了解请以产品规格书为准。 For reference only, please refer to the product specification.					
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	6.1						
19	热时间常数 (电机)	Thermal time constant motor	s	313						
20	热时间常数 (线圈)	Thermal time constant winding	s	218						
21	工作温度范围	Operating temperature range	°C	-20~+85						
22	绕组耐温等级	Thermal class of winding	°C	130						
机械参数 / Mechanical Data										
23	轴向间隙	Axial play	mm	0.02~0.15						
24	径向间隙	Radial play	mm	0.025						
25	动态轴向载荷	Axial load dynamic	N	2						
26	静态轴向载荷	Axial load static	N	60						
27	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	2						
其它参数 / Other Specifications										
28	极对数	No. of pole pairs		1						
29	滚动轴承	Ball bearings		2						
30	换向结构	Number of commutator segments		5						
31	防护等级	Protection class		IP30						

外观图 / Outline Drawing

