

2433N5M2B | 贵金属电刷 Precious Metal Commutation

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.

主要技术指标 | Characteristics

				01-78-4.5		
1	电压	Voltage	V	4.5		
2	端电阻	Terminal resistance	Ω	0.5		
3	空载转速	No-load speed	rpm	7800		
4	空载电流	No-load current	mA	30		
5	堵转转矩	Stall torque	mNm	49.3		
6	堵转电流	Stall current	mA	9000		
7	额定转矩	Nominal torque	mNm	10.1		
8	额定转速	Nominal speed	rpm	6200		
9	额定电流	Nominal current	mA	1870		
10	最大输出功率	Max. output power	W	10.1		
11	最大效率	Max. efficiency	%	89		
12	反电势常数	Back-EMF constant	mV/rpm	0.6		
13	转矩常数	Torque constant	mNm/A	5.5		
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	160		
15	转子惯量	Rotor inertia	gcm ²	2.2		
16	重量	Weight	g	68		
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	16.8		
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	22.1		
19	热时常数 (电机)	Thermal time constant motor	s	332		
20	热时常数 (线圈)	Thermal time constant winding	s	263		
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		
23	轴向间隙	Axial play	mm	0.01~0.15		
24	径向间隙	Radial play	mm	0.025		
25	动态轴向载荷	Axial load dynamic	N	3.3		
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	14		
28	极对数	No. of pole pairs		1		
29	轴承	Bearings		2 枚滚动轴承/2 ball bearings		
30	换向结构	Commutator		贵金属 5 相/metal 5 segments		
31	防护等级	Protection class		IP 20		

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils
齿轮箱 Gearheads 编码器 Encoder

外观图 | Outline Drawing

