

1925N9M | 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

				01-69-6.0	02-80-12.0	03-85-24.0
1	电压	Voltage	V	6.0	12.0	24.0
2	端电阻	Terminal resistance	Ω	2.8	9.6	28.3
3	空载转速	No-load speed	rpm	6900	8000	8500
4	空载电流	No-load current	mA	25	15	9
5	堵转转矩	Stall torque	mNm	17.4	17.5	22.4
6	堵转电流	Stall current	mA	2140	1250	850
7	额定转矩	Nominal torque	mNm	4.0	4.0	4.0
8	额定转速	Nominal speed	rpm	5310	6170	6980
9	额定电流	Nominal current	mA	510	300	160
10	最大输出功率	Max. output power	W	3.1	3.7	5.0
11	最大效率	Max. efficiency	%	80	79	81
12	反电势常数	Back-EMF constant	mV/rpm	0.9	1.5	2.8
13	转矩常数	Torque constant	mNm/A	8.2	14.2	26.7
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	400	460	380
15	转子惯量	Rotor inertia	gcm ²	0.6	0.6	0.6
16	重量	Weight	g	30	30	30
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	22.4		
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	3.79		
19	热时常数 (电机)	Thermal time constant motor	s	267		
20	热时常数 (线圈)	Thermal time constant winding	s	232		
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	0.02~0.15		
24	径向间隙	Radial play	mm	0.025		
25	动态轴向载荷	Axial load dynamic	N	2.2		
26	静态轴向载荷	Axial load static	N	30		
27	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	8		
28	极对数	No. of pole pairs		1		
29	轴承	Bearings		2 枚含油轴承/2 sleeve bearings		
30	换向结构	Commutator		贵金属 9 相/metal 9 segments		
31	防护等级	Protection class		IP 30		

★可选参数 Options: 导线长度 Lead wires length 轴长 Shaft length 性能 Special coils
轴承类型 Bearing type 齿轮箱 Gearheads

外观图 | Outline Drawing

