

1025N5M | 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

			02-130-6.0	05-150-12.0
1 电压	Voltage	V	6.0	12.0
2 端电阻	Terminal resistance	Ω	6.5	22.0
3 空载转速	No-load speed	rpm	13000	15000
4 空载电流	No-load current	mA	20	10
5 堵转转矩	Stall torque	mNm	3.88	4.05
6 堵转电流	Stall current	mA	920	550
7 额定转矩	Nominal torque	mNm	1.0	1.0
8 额定转速	Nominal speed	rpm	9650	11300
9 额定电流	Nominal current	mA	250	140
10 最大输出功率	Max. output power	W	1.32	1.59
11 最大效率	Max. efficiency	%	73	75
12 反电势常数	Back-EMF constant	mV/rpm	0.5	0.8
13 转矩常数	Torque constant	mNm/A	4.3	7.5
14 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	3300	3700
15 转子惯量	Rotor inertia	gcm ²	0.09	0.09
16 重量	Weight	g	7.0	7.0
17 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		32.56
18 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		36.8
19 热时常数 (电机)	Thermal time constant motor	s		113
20 热时常数 (线圈)	Thermal time constant winding	s		90
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		≤0.15
24 径向间隙	Radial play	mm		0.012
25 动态轴向载荷	Axial load dynamic	N		0.15
26 静态轴向载荷	Axial load static	N		15
27 径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		0.4
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 5 相/metal 5 segments
31 防护等级	Protection class			IP 40

★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

