

2554N9C2B | 碳刷 Graphite Brush

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

			03-51-12.0	04-82-24.0	02-93-24.0
1 电压	Voltage	V	12.0	24.0	24.0
2 转子电阻	Rotor Resistance	Ω	1.92	3.1	2.5
3 空载转速	No-load speed	rpm	5100	8200	9300
4 空载电流	No-load current	mA	20	35	65
5 堵转转矩	Stall torque	mNm	139.5	214.4	233.4
6 堵转电流	Stall current	mA	6250	7740	9600
7 额定转矩	Nominal torque	mNm	42.0	32.4	28.0
8 额定转速	Nominal speed	rpm	3560	6960	8180
9 额定电流	Nominal current	mA	1900	1200	1210
10 最大输出功率	Max. output power	W	18.6	46.1	56.9
11 最大效率	Max. efficiency	%	89	87	84
12 反电势常数	Back-EMF constant	mV/rpm	2.3	2.9	2.6
13 转矩常数	Torque constant	mNm/A	22.4	27.8	24.5
14 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	36.6	38.3	39.8
15 转子惯量	Rotor inertia	gcm ²	14.2	14.2	14.2
16 重量	Weight	g	120	120	120
17 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		10.8	
18 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		4	
19 热时常数 (电机)	Thermal time constant motor	s		284	
20 热时常数 (线圈)	Thermal time constant winding	s		157	
21 工作温度范围	Operating temperature range	°C		-20~+120	
22 绕组耐温等级	Thermal class of winding	°C		120	
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		20	
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		40	
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 9 相/metal 9 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

