

2233N5C | 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

			18-180-12.0		
1	电压	Voltage	V	12.0	
2	转子电阻	Rotor Resistance	Ω	1.45	
3	空载转速	No-load speed	rpm	18000	
4	空载电流	No-load current	mA	100	
5	堵转转矩	Stall torque	mNm	51.4	
6	堵转电流	Stall current	mA	8280	
7	额定转矩	Nominal torque	mNm	12.3	
8	额定转速	Nominal speed	rpm	13700	
9	额定电流	Nominal current	mA	2060	
10	最大输出功率	Max. output power	W	24.3	
11	最大效率	Max. efficiency	%	79	
12	反电势常数	Back-EMF constant	mV/rpm	0.7	
13	转矩常数	Torque constant	mNm/A	6.3	
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	350	
15	转子惯量	Rotor inertia	gcm ²	2.5	
16	重量	Weight	g	52	
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	21	
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	11.2	
19	热时常数 (电机)	Thermal time constant motor	s	240	
20	热时常数 (线圈)	Thermal time constant winding	s	10	
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	0.012	
25	动态轴向载荷	Axial load dynamic	N	1	
26	静态轴向载荷	Axial load static	N	80	
27	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	3	
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 30	

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

外观图 | Outline Drawing

