

1230N7M | 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

			04-160-6.0	05-145-12.0		
1	电压	Voltage	V	6.0	12.0	
2	端电阻	Terminal resistance	Ω	1.4	6.2	
3	空载转速	No-load speed	rpm	16000	14500	
4	空载电流	No-load current	mA	70	12	
5	堵转转矩	Stall torque	mNm	14.9	15.1	
6	堵转电流	Stall current	mA	4290	1940	
7	额定转矩	Nominal torque	mNm	1.4	1.4	
8	额定转速	Nominal speed	rpm	14490	13160	
9	额定电流	Nominal current	mA	470	190	
10	最大输出功率	Max. output power	W	6.23	5.75	
11	最大效率	Max. efficiency	%	76	85	
12	反电势常数	Back-EMF constant	mV/rpm	0.4	0.8	
13	转矩常数	Torque constant	mNm/A	3.5	7.9	
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	1080	960	
15	转子惯量	Rotor inertia	gcm ²	0.25	0.25	
16	重量	Weight	g	17.7	17.7	
17	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		27.8	
18	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		23.7	
19	热时常数 (电机)	Thermal time constant motor	s		135	
20	热时常数 (线圈)	Thermal time constant winding	s		20	
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		85	
23	轴向间隙	Axial play	mm		0.02~0.15	
24	径向间隙	Radial play	mm		0.014	
25	动态轴向载荷	Axial load dynamic	N		0.8	
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		1.4	
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 7 相/metal 7 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

