

B1233NH2B | 内转子无槽带传感器 Inner Rotor, Slotless, Sensored

应用领域：医疗器械、工业设备等精密驱动领域。

Applications: precision drives in medical equipment, industrial automation fields.

主要技术指标 | Characteristics

			42-200-12.0	54-117-24.0	55-105-9.0	
1	电压	Voltage	V	12.0	24.0	9.0
2	端电阻	Terminal resistance	Ω	3.3	39.3	6.7
3	空载转速	No-load speed	rpm	20000	11700	10500
4	空载电流	No-load current	A	0.15	0.04	0.07
5	堵转转矩	Stall torque	mNm	19.2	10.6	9.8
6	堵转电流	Stall current	A	3.6	0.6	1.4
7	额定转矩	Nominal torque	mNm	1.1	3.0	3.0
8	额定转速	Nominal speed	rpm	18900	8400	7300
9	额定电流	Nominal current	A	0.35	0.2	0.5
10	最大输出功率	Max. output power	W	10	3.3	2.7
11	最大效率	Max. efficiency	%	63	57	59
12	反电势常数	Back-EMF constant	mV/rpm	0.6	1.9	0.81
13	转矩常数	Torque constant	mNm/A	5.5	18.5	7.75
14	KV 值	KV Value	rpm/V	1660	487	1160
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	1040	297	1071
16	转子惯量	Rotor inertia	gcm^2	0.21	0.21	0.21
17	重量	Weight	g	16	16	16
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		24	
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		4.5	
20	热时常数 (电机)	Thermal time constant motor	s		240	
21	热时常数 (线圈)	Thermal time constant winding	s		2	
22	工作温度范围	Operating temperature range	$^{\circ}\text{C}$		-40~+100	
23	绕组耐温等级	Thermal class of winding	$^{\circ}\text{C}$		155	
24	轴向间隙	Axial play	mm		0.012	
25	径向间隙	Radial play	mm		0.008	
26	动态轴向载荷	Axial load dynamic	N		1	
27	静态轴向载荷	Axial load static	N		25	
28	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		6.3	
29	极对数	No. of pole pairs			1	
30	轴承	Bearings			2 枚滚动轴承/2 ball bearings	
31	换向结构	Commutation			霍尔传感器/Hall Sensor	
32	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 轴承类型 Bearing type 霍尔传感器 Hall sensor
编码器 Encoder 驱动器 Driver

外观图 | Outline Drawing

