

BS3246NBH2B | 内转子有槽带传感器 Inner Rotor, Slotted, 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

			01-51-12.0	02-80-12.0	03-40-12.0
1	电压	Voltage	V	12.0	12.0
2	端电阻	Terminal resistance	Ω	2.4	1.5
3	空载转速	No-load speed	rpm	5100	8000
4	空载电流	No-load current	A	0.2	0.20
5	堵转转矩	Stall torque	mNm	103	108.0
6	堵转电流	Stall current	A	5.0	8.0
7	额定转矩	Nominal torque	mNm	24.0	24.0
8	额定转速	Nominal speed	rpm	4000	6000
9	额定电流	Nominal current	A	1.3	2
10	最大输出功率	Max. output power	W	12	22.8
11	最大效率	Max. efficiency	%	60	70.8
12	反电势常数	Back-EMF constant	mV/rpm	2.2	1.5
13	转矩常数	Torque constant	mNm/A	21.5	14
14	KV 值	KV Value	rpm/V	420	666
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	48	73
16	转子惯量	Rotor inertia	gcm^2	26	26
17	重量	Weight	g	130	130
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		16
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		3.5
20	热时常数 (电机)	Thermal time constant motor	s		620
21	热时常数 (线圈)	Thermal time constant winding	s		4
22	工作温度范围	Operating temperature range	$^{\circ}\text{C}$		-40~+120
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		5
27	静态轴向载荷	Axial load static	N		80
28	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		29
29	极对数	No. of pole pairs			2
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 30	

★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

