

B1659NH2B | 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

			01-425-32.0-0030	03-645-36.0-****
1	电压	Voltage	V	32.0
2	端电阻	Terminal resistance	Ω	1.42
3	空载转速	No-load speed	rpm	41000
4	空载电流	No-load current	A	0.12
5	堵转转矩	Stall torque	mNm	166.2
6	堵转电流	Stall current	A	22.5
7	额定转矩	Nominal torque	mNm	8.6
8	额定转速	Nominal speed	rpm	38880
9	额定电流	Nominal current	A	1.31
10	最大输出功率	Max. output power	W	179
11	最大效率	Max. efficiency	%	86.0
12	反电势常数	Back-EMF constant	mV/rpm	0.776
13	转矩常数	Torque constant	mNm/A	7.41
14	KV 值	KV Value	rpm/V	1280
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	247
16	转子惯量	Rotor inertia	gcm ²	0.65
17	重量	Weight	g	51.5
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	15.3
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	18.7
20	热时常数 (电机)	Thermal time constant motor	s	362
21	热时常数 (线圈)	Thermal time constant winding	s	233
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	1.5
27	静态轴向载荷	Axial load static	N	60
28	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	10
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

