

B4040NH2B | 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

02-420-18.0			
1 电压	Voltage	V	18.0
2 端电阻	Terminal resistance	Ω	1.5
3 空载转速	No-load speed	rpm	42000
4 空载电流	No-load current	A	0.168
5 堵转转矩	Stall torque	mNm	47.7
6 堵转电流	Stall current	A	12
7 额定转矩	Nominal torque	mNm	5
8 额定转速	Nominal speed	rpm	25000
9 额定电流	Nominal current	A	1
10 最大输出功率	Max. output power	W	52.6
11 最大效率	Max. efficiency	%	48.4
12 反电势常数	Back-EMF constant	mV/rpm	0.4
13 转矩常数	Torque constant	mNm/A	4.0
14 KV 值	KV Value	rpm/V	2333.3
15 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	879.7
16 转子惯量	Rotor inertia	gcm ²	20
17 重量	Weight	g	200
18 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W	9
19 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W	2.4
20 热时常数 (电机)	Thermal time constant motor	s	1400
21 热时常数 (线圈)	Thermal time constant winding	s	20
22 工作温度范围	Operating temperature range	°C	-40~+120
23 绕组耐温等级	Thermal class of winding	°C	155
24 轴向间隙	Axial play	mm	2.3
25 径向间隙	Radial play	mm	0.012
26 动态轴向载荷	Axial load dynamic	N	8
27 静态轴向载荷	Axial load static	N	110
28 径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N	31
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 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

