

BO2824N2B | 外转子无传感器 Outer Rotor, Sensorless

应用领域：无人机、航模等驱动领域。

Applications: UAV, aeromodelling, etc.

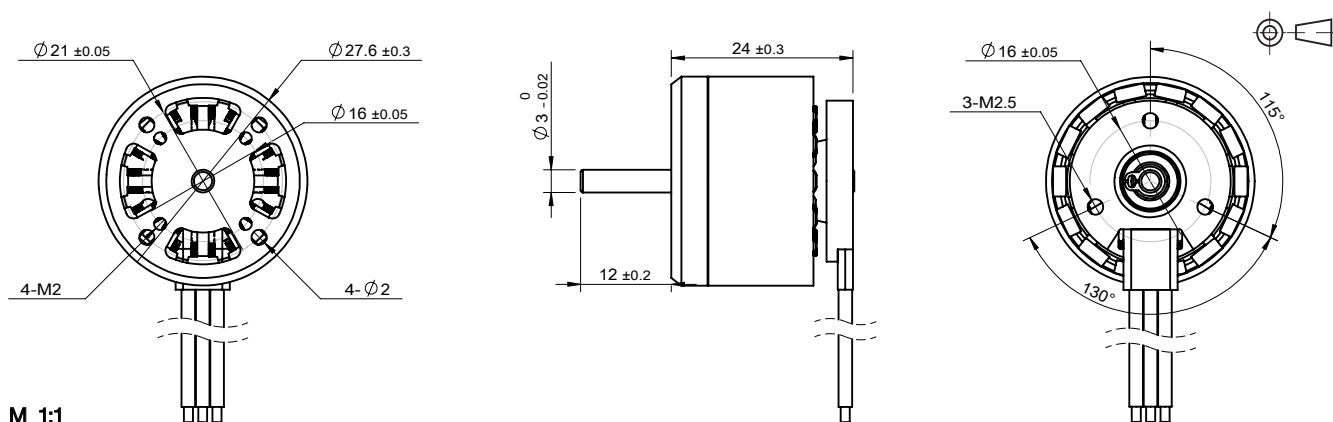
主要技术指标 | Characteristics

			01-98-12.0	02-98-24.0	03-98-36.0
1	电压	Voltage	V	12.0	36.0
2	端电阻	Terminal resistance	Ω	0.18	1.62
3	空载转速	No-load speed	rpm	9800	9800
4	空载电流	No-load current	A	0.37	0.19
5	堵转转矩	Stall torque	mNm	752	749
6	堵转电流	Stall current	A	65.2	32.7
7	额定转矩	Nominal torque	mNm	79.9	75.5
8	额定转速	Nominal speed	rpm	7430	8040
9	额定电流	Nominal current	A	6.9	3.3
10	最大输出功率	Max. output power	W	193	194
11	最大效率	Max. efficiency	%	85.5	85.3
12	反电势常数	Back-EMF constant	mV/rpm	1.2	2.4
13	转矩常数	Torque constant	mNm/A	11.6	23.1
14	KV 值	KV Value	rpm/V	819	412
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	13.1	13.2
16	转子惯量	Rotor inertia	gcm ²	27	27
17	重量	Weight	g	47	47
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		2
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		2
20	热时常数 (电机)	Thermal time constant motor	s		290
21	热时常数 (线圈)	Thermal time constant winding	s		41
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		180
24	轴向间隙	Axial play	mm		0.014
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			7
30	轴承	Bearings		2 枚滚动轴承/2 ball bearings	
31	换向结构	Commutation		无传感器/Sensorless	
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

编码器 Encoder 驱动器 Driver

外观图 | Outline Drawing



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