

BO1511N2B 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.

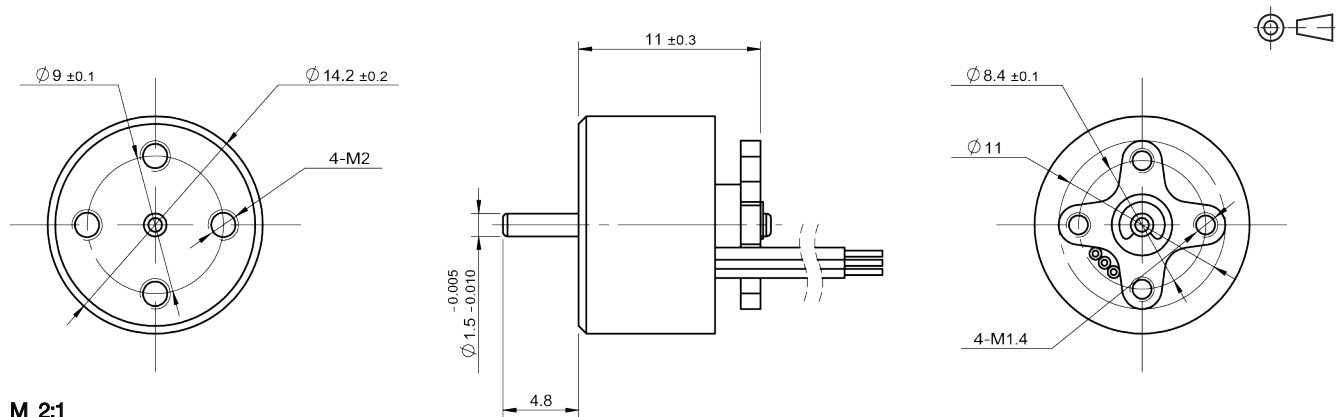
主要技术指标 | Characteristics

			01-350-7.4	02-350-6.0
1 电压	Voltage	V	7.4	6.0
2 端电阻	Terminal resistance	Ω	0.45	0.31
3 空载转速	No-load speed	rpm	35000	35000
4 空载电流	No-load current	A	0.4	0.5
5 堵转转矩	Stall torque	mNm	31.6	30
6 堵转电流	Stall current	A	16.4	19.4
7 额定转矩	Nominal torque	mNm	4.0	4.0
8 额定转速	Nominal speed	rpm	25100	25000
9 额定电流	Nominal current	A	2.1	2.6
10 最大输出功率	Max. output power	W	29	28
11 最大效率	Max. efficiency	%	71.2	70.4
12 反电势常数	Back-EMF constant	mV/rpm	0.21	0.17
13 转矩常数	Torque constant	mNm/A	1.97	1.60
14 KV 值	KV Value	rpm/V	4730	5833
15 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	1107	1164
16 转子惯量	Rotor inertia	gcm ²	1.1	1.1
17 重量	Weight	g	5.8	5.8
18 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		10
19 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		8.7
20 热时常数 (电机)	Thermal time constant motor	s		110
21 热时常数 (线圈)	Thermal time constant winding	s		71
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		0.012
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			6
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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