

BO3216NB2B | 外转子无传感器 Outer Rotor, Sensorless

应用领域：无人机云台、手持云台。

Applications: UAV gimbals and handheld gimbals.

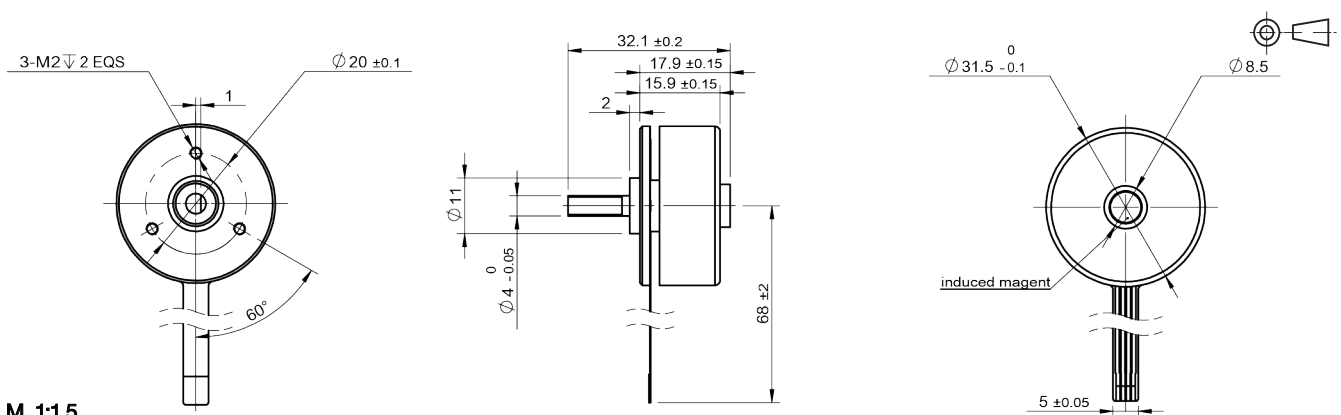
主要技术指标 | Characteristics

			02-66-24.0	06-100-12.0
1 电压	Voltage	V	24.0	10
2 端电阻	Terminal resistance	Ω	4.2	1.4
3 电感	Terminal Inductance	mH	1.34	0.20
4 空载转速	No-load speed	rpm	6600	9950
5 空载电流	No-load current	A	0.1	0.2
6 堵转转矩	Stall torque	mNm	189.5	67.6
7 堵转电流	Stall current	A	5.7	7.4
8 额定转矩	Nominal torque	mNm	41.6	21.9
9 额定转速	Nominal speed	rpm	4520	5290
10 额定电流	Nominal current	A	1.4	2.6
11 最大输出功率	Max. output power	W	32.7	17.5
12 最大效率	Max. efficiency	%	73	70
13 反电势常数	Back-EMF constant	mV/rpm	3.55	0.98
14 转矩常数	Torque constant	mNm/A	34	9
15 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	35	146
16 转子惯量	Rotor inertia	gcm ²	32	32
17 重量	Weight	g	56	56
18 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		3.8
19 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		4
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		6.9
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		0.08
25 径向间隙	Radial play	mm		0.006
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 霍尔传感器 Hall sensor

编码器 Encoder 驱动器 Driver

外观图 | Outline Drawing



M 1:1.5