

BO6452N3B | 外转子无传感器 Outer Rotor, Sensorless

应用领域：无人机、工业设备等精密驱动领域。
Applications: UAV, industrial automation, etc.

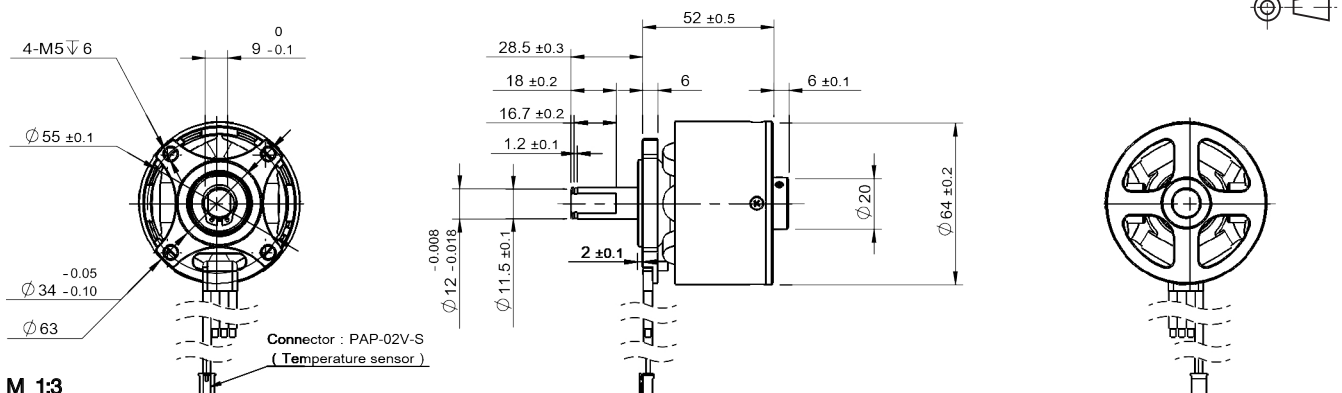
主要技术指标 | Characteristics

			01-95-48.0	02-95-36.0	03-95-24.0
1 电压	Voltage	V	48.0	36.0	24.0
2 端电阻	Terminal resistance	Ω	0.08	0.045	0.02
3 空载转速	No-load speed	rpm	9500	9500	9500
4 空载电流	No-load current	A	1.3	1.8	2.6
5 堵转转矩	Stall torque	mNm	28824	28819	28824
6 堵转电流	Stall current	A	600	800	1200
7 额定转矩	Nominal torque	mNm	985	983	985
8 额定转速	Nominal speed	rpm	7400	7400	7400
9 额定电流	Nominal current	A	18.5	24.7	37.0
10 最大输出功率	Max. output power	W	7165	7163	7165
11 最大效率	Max. efficiency	%	90.9	90.7	90.9
12 反电势常数	Back-EMF constant	mV/rpm	5.0	3.8	2.5
13 转矩常数	Torque constant	mNm/A	48.1	36.1	24.1
14 KV 值	KV Value	rpm/V	198	264	396
15 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	0.33	0.33	0.33
16 转子惯量	Rotor inertia	gcm ²	1750	1750	1750
17 重量	Weight	g	625	625	625
18 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		0.58	
19 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		0.19	
20 热时常数 (电机)	Thermal time constant motor	s		180	
21 热时常数 (线圈)	Thermal time constant winding	s		60	
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		12	
27 静态轴向载荷	Axial load static	N		235	
28 径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		146	
29 极对数	No. of pole pairs			4	
30 轴承	Bearings			3 枚滚动轴承/3 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

轴承类型 Bearing type 驱动器 Driver

外观图 | Outline Drawing



规格如有变更，恕不另行通知
Specification subject to change without notice