

B1215N2B | 内转子无槽无传感器 Inner Rotor, Slotless, Sensorless

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.

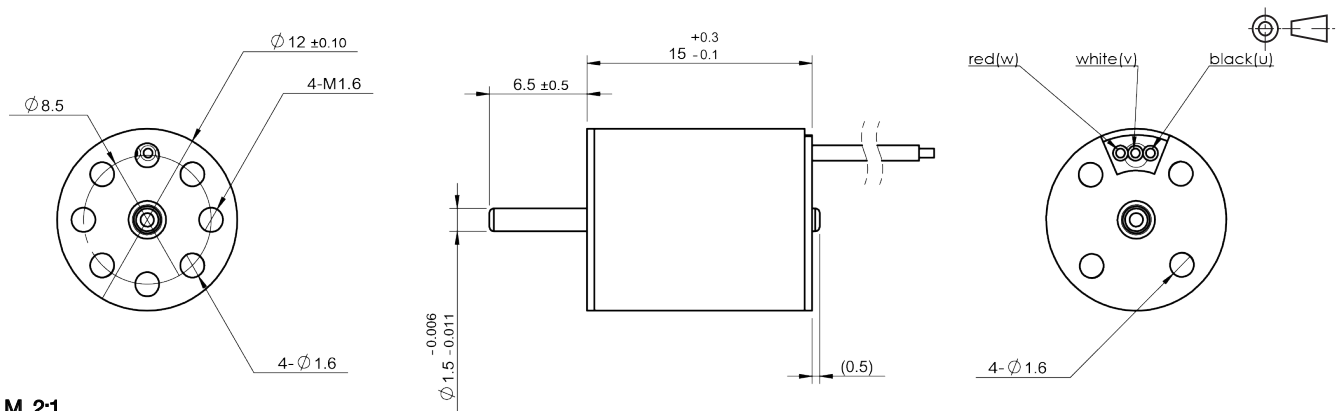
主要技术指标 | Characteristics

			09-350-3.6	06-145-4.5	12-425-7.4
1 电压	Voltage	V	3.6	4.5	7.4
2 端电阻	Terminal resistance	Ω	0.67	5.2	2.6
3 空载转速	No-load speed	rpm	35000	14500	42500
4 空载电流	No-load current	A	0.3	0.1	0.2
5 堵转转矩	Stall torque	mNm	4.7	2.0	4.0
6 堵转电流	Stall current	A	5.4	0.9	2.9
7 额定转矩	Nominal torque	mNm	0.7	1.0	0.3
8 额定转速	Nominal speed	rpm	28200	4400	38000
9 额定电流	Nominal current	A	1.1	0.5	0.4
10 最大输出功率	Max. output power	W	4.3	0.8	4.6
11 最大效率	Max. efficiency	%	58	44	54
12 反电势常数	Back-EMF constant	mV/rpm	0.10	0.27	0.16
13 转矩常数	Torque constant	mNm/A	0.93	2.62	1.55
14 KV 值	KV Value	rpm/V	9720	3220	5740
15 转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	7440	7230	10400
16 转子惯量	Rotor inertia	gcm ²	0.14	0.14	0.14
17 重量	Weight	g	7	7	7
18 热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		37.8	
19 热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		6.2	
20 热时常数 (电机)	Thermal time constant motor	s		170	
21 热时常数 (线圈)	Thermal time constant winding	s		2	
22 工作温度范围	Operating temperature range	°C		-40~+100	
23 绕组耐温等级	Thermal class of winding	°C		155	
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			1	
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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