

## B1329N2B | 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。

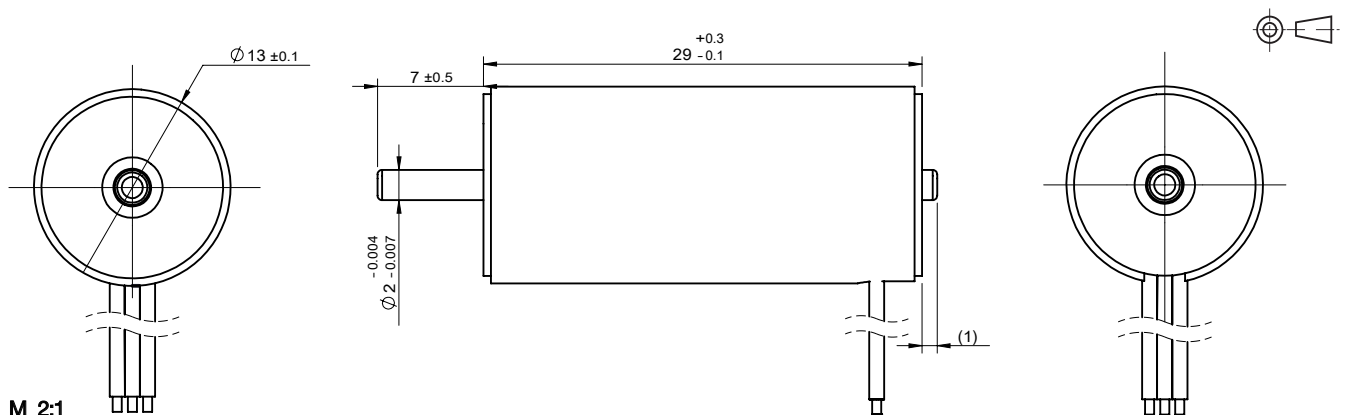
Applications: precision drives in medical equipment, industrial automation fields.

### 主要技术指标 | Characteristics

			01-250-12.0	03-617-24.0	04-250-12.0	
1	电压	Voltage	V	12.0	24.0	12.0
2	端电阻	Terminal resistance	$\Omega$	7.5	4.0	6.9
3	空载转速	No-load speed	rpm	25000	61700	25000
4	空载电流	No-load current	A	0.1	0.2	0.07
5	堵转转矩	Stall torque	mNm	6.4	20.8	7.2
6	堵转电流	Stall current	A	1.6	6.0	1.8
7	额定转矩	Nominal torque	mNm	1.7	4.2	2.2
8	额定转速	Nominal speed	rpm	15300	49000	17500
9	额定电流	Nominal current	A	0.51	1.35	0.6
10	最大输出功率	Max. output power	W	4.2	33.0	4.70
11	最大效率	Max. efficiency	%	56.0	65.0	61.0
12	反电势常数	Back-EMF constant	mV/rpm	0.45	0.37	0.45
13	转矩常数	Torque constant	mNm/A	4.3	3.6	4.30
14	KV 值	KV Value	rpm/V	2100	2570	2080
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	3900	2966	3470
16	转子惯量	Rotor inertia	$\text{gcm}^2$	0.18	0.18	0.18
17	重量	Weight	g	15	15	15
18	热阻 (机壳 - 环境)	Thermal resistance housing-ambient	K/W		24	
19	热阻 (线圈 - 机壳)	Thermal resistance winding-housing	K/W		4.5	
20	热时常数 (电机)	Thermal time constant motor	s		250	
21	热时常数 (线圈)	Thermal time constant winding	s		2	
22	工作温度范围	Operating temperature range	$^{\circ}\text{C}$		-40~+120	
23	绕组耐温等级	Thermal class of winding	$^{\circ}\text{C}$		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		1.5	
27	静态轴向载荷	Axial load static	N		37	
28	径向载荷 (距安装面 3mm)	Radial load at 3 mm from mounting face	N		12	
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 30	

★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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