

## 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。

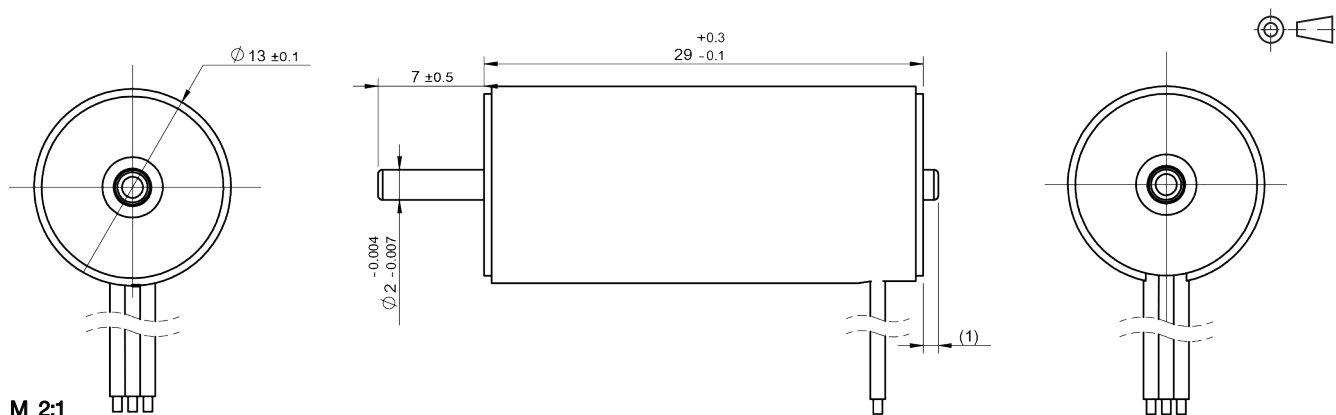
Applications: precision drives in medical equipment, industrial automation fields.

### 主要技术指标 | Characteristics

		01-250-12.0		
1	电压	Voltage	V	12.0
2	端电阻	Terminal resistance	$\Omega$	7.5
3	空载转速	No-load speed	rpm	25000
4	空载电流	No-load current	A	0.1
5	堵转转矩	Stall torque	mNm	6.4
6	堵转电流	Stall current	A	1.6
7	额定转矩	Nominal torque	mNm	1.7
8	额定转速	Nominal speed	rpm	15300
9	额定电流	Nominal current	A	0.51
10	最大输出功率	Max. output power	W	4.2
11	最大效率	Max. efficiency	%	56.0
12	反电势常数	Back-EMF constant	mV/rpm	0.45
13	转矩常数	Torque constant	mNm/A	4.3
14	KV 值	KV Value	rpm/V	2100
15	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	3900
16	转子惯量	Rotor inertia	$\text{gcm}^2$	0.18
17	重量	Weight	g	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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