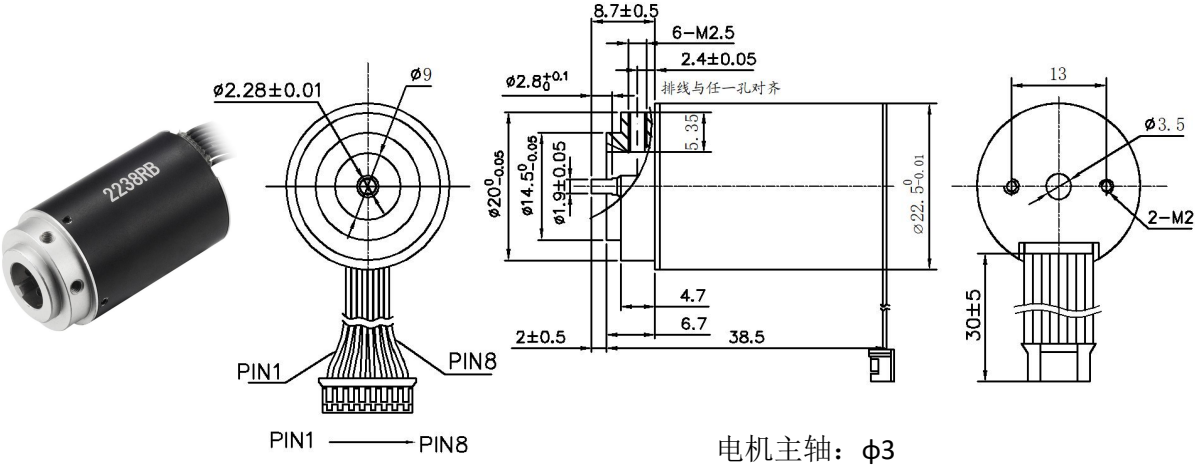


2238RB Coreless BLDC Motor



典型应用Typical Applications:舵机、智能小机器人

电机参数 (Motor data)		25B	14B	06B			
额定电压下数值 (Values at nominal voltage)							
1 额定电压 (Nominal voltage)	V	12	12	30			
2 空载转速 (No load speed)	rpm	12500	13140	15200			
3 空载电流 (No load current)	mA	120	90	80			
4 额定转速 (Nominal speed)	rpm	10150	11030	12540			
5 额定转矩(最大连续转矩) (Nominal torque)	mNm	5	6	6			
6 额定电流(最大连续电流) (Nominal current)	A	0.65	0.79	0.41			
7 堵转转矩 (Stall torque)	mNm	26.30	37.1	33.77			
8 堵转电流 (Stall current)	A	2.99	4.35	1.87			
9 最大效率 (Max efficiency)	%	69	74	67			
电机常数 (Motor constant)							
10 相间电阻 (Terminal resistance)	Ω	4.01	2.76	16.03			
11 转矩常数 (Torque constant)	mNm/A	8.98	8.55	18.47			
12 速度常数 (Speed constant)	rpm/V	1042	1095	507			

其他特性参数Other characteristic parameters

- 13 环境温度范围 (Ambient temperature) $-10-40^{\circ}\text{C}$
- 14 绕组最高允许温度 (Max permissible winding temperature) 120°C
- 15 最高允许转速 (Max permissible speed) 20000rpm
- 16 电极磁极对数 (Number of the pole pairs) 1
- 17 相数 (Number of Phases) 3
- 18 电机质量 (Weight) 53.7g

端子定义(terminals):

- PIN1-PIN3 电机绕组(motor winding) 1--3
- PIN4 GND
- PIN5-PIN7 传感器(sensors) 1--3
- PIN8 Val1 2-18VDC

06B电机曲线图 motor curve

