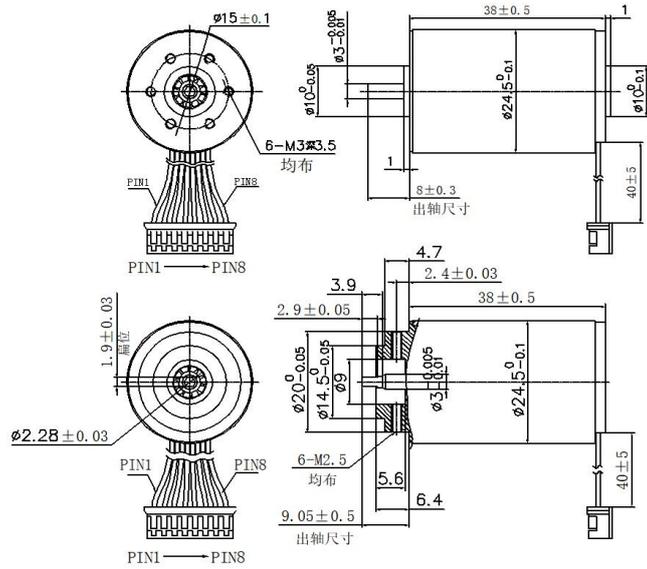


2438RB Coreless BLDC Motor



Coreless BLDC Motors

典型应用 Typical Applications: 舵机、智能小机器人

电机参数 (Motor data)		02A	01A	03A			
额定电压下数值 (Values at nominal voltage)							
1 额定电压 (Nominal voltage)	V	24	30	30			
2 空载转速 (No load speed)	rpm	17500	19100	20500			
3 空载电流 (No load current)	mA	150	100	150			
4 额定转速 (Nominal speed)	rpm	15750	17200	18450			
5 额定转矩(最大连续转矩) (Nominal torque)	mNm	13.4	14.8	16.1			
6 额定电流(最大连续电流) (Nominal current)	A	1.1	1	1.3			
7 堵转转矩 (Stall torque)	mNm	131.78	148.49	159.15			
8 堵转电流 (Stall current)	A	10	10	11.5			
9 最大效率 (Max efficiency)	%	83	83	84			
电机常数 (Motor constant)							
10 相间电阻 (Terminal resistance)	Ω	2.4	3	2.6			
11 转矩常数 (Torque constant)	mNm/A	12.84	14.7	13.7			
12 速度常数 (Speed constant)	rpm/V	729	637	683			

其他特性参数 Other characteristic parameters

- 13 环境温度范围 (Ambient temperature) -10~40°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) 30000rpm
- 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) 77.6g

端子定义 (terminals):

8*#26PE引线(cable)+JST端子(terminal)

- PIN1 MC
- PIN2 MB
- PIN3 MA
- PIN4 GND-
- PIN5 HC
- PIN6 HB
- PIN7 HA
- PIN8 VCC+

01A电机曲线图 motor curve

