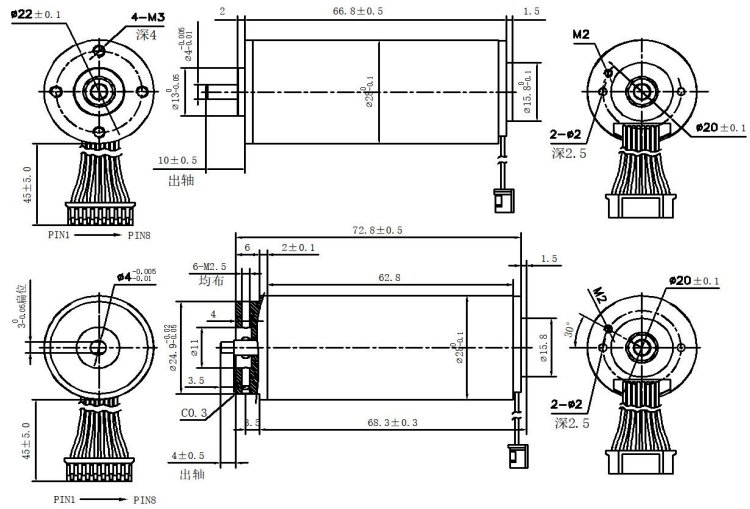


2880RB Coreless BLDC Motor

Coreless BLDC Motors



典型应用Typical Applications:电批、打磨机

电机参数 (Motor data)		03A	01A	02A			
额定电压下数值 (Values at nominal voltage)							
1 额定电压 (Nominal voltage)	V	24	37	37			
2 空载转速 (No load speed)	rpm	17800	18200	19200			
3 空载电流 (No load current)	mA	400	200	230			
4 额定转速 (Nominal speed)	rpm	17000	17470	18520			
5 额定转矩(最大连续转矩) (Nominal torque)	mNm	33.1	33.7	30.5			
6 额定电流(最大连续电流) (Nominal current)	A	3	1.9	1.85			
7 堵转转矩 (Stall torque)	mNm	736.5	841.1	870			
8 堵转电流 (Stall current)	A	57	43.5	47.4			
9 最大效率 (Max efficiency)	%	85	87	88			
电机常数 (Motor constant)							
10 相间电阻 (Terminal resistance)	Ω	0.42	0.85	0.78			
11 转矩常数 (Torque constant)	mNm/A	12.62	19.03	18.04			
12 速度常数 (Speed constant)	rpm/V	742	492	519			

其他特性参数Other characteristic parameters

01A电机曲线图 motor curve

- 13 环境温度范围 (Ambient temperature) -10~40℃
- 14 绕组最高允许温度 (Max permissible winding temperature) 120℃
- 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) 195.7g

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 HC
- PIN8 VCC+

