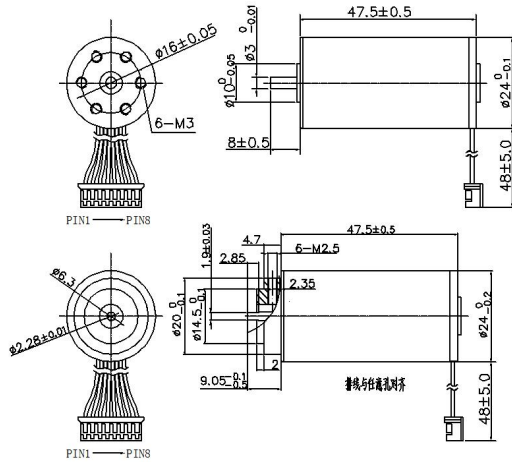


2447RB Coreless BLDC Motor



Typical Applications: RC servo. Power tools. Robotic arm. Robot

电机参数 (Motor data)		13A	01A	17A	26A	20A
额定电压下数值 (Values at nominal voltage)						
1 额定电压 (Nominal voltage)	V	24	30	30	30	30
2 空载转速 (No load speed)	rpm	24260	18840	19540	20800	16800
3 空载电流 (No load current)	mA	300	160	160	170	150
4 额定转速 (Nominal speed)	rpm	23520	17890	18640	19950	16040
5 额定转矩 (最大连续转矩) (Nominal torque)	mNm	7.3	13.9	12.9	12.3	10
6 额定电流 (最大连续电流) (Nominal current)	A	1.1	1.1	1.05	1.07	0.75
7 堵转转矩 (Stall torque)	mNm	240.96	275.7	283.26	306.01	240
8 堵转电流 (Stall current)	A	25.80	18.29	19.48	22.4	14
9 最大效率 (Max efficiency)	%	81	83	83	84	84
电机常数 (Motor constant)						
10 相间电阻 (Terminal resistance)	Ω	0.93	1.64	1.54	1.34	2.13
11 转矩常数 (Torque constant)	mNm/A	9.26	14.90	14.37	13.50	16.71
12 速度常数 (Speed constant)	rpm/V	1011	628	651	693	560

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) 97.7g

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 HA
- PIN8 VCC+

01A电机曲线图 motor curve

