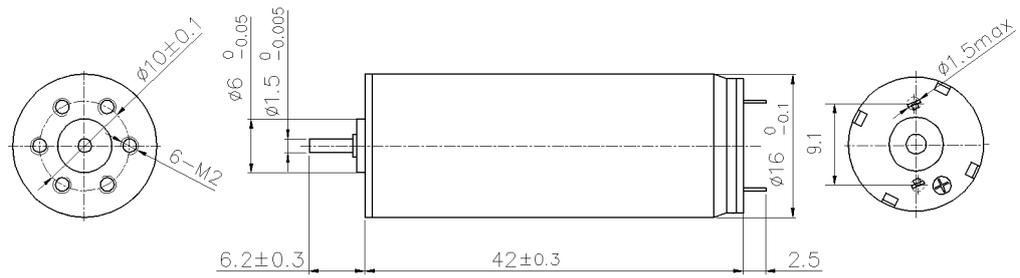


# 1642R Coreless Brush Motor



Typical Applications: Tattoo machine, Robot, Doorlock, Robotic arm

电机参数 (Motor data)		05A	16A	11A	08A
额定电压下数值 (Values at nominal voltage)					
1 额定电压 (Nominal voltage)	V	6	12	24	24
2 空载转速 (No load speed)	rpm	13000	10400	17692	12610
3 空载电流 (No load current)	mA	60	20	20	10
4 额定转速 (Nominal speed)	rpm	11980	8790	15922	11100
5 额定转矩(最大连续转矩) (Nominal torque)	mNm	3	5	3.8	5
6 额定电流(最大连续电流) (Nominal current)	A	0.72	0.48	0.31	0.29
7 堵转转矩 (Stall torque)	mNm	38.2	32.1	37.6	42.2
8 堵转电流 (Stall current)	A	8.80	2.93	2.92	2.33
9 最大效率 (Max efficiency)	%	85	83	85	87
电机常数 (Motor constant)					
10 相间电阻(Terminal resistance)	Ω	0.68	4.09	8.22	10.29
11 转矩常数 (Torque constant)	mNm/A	4.32	10.80	12.70	17.81
12 速度常数 (Speed constant)	rpm/V	2167	867	737	525

## 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) 80°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 换向器片数 (Number of the commutator segments) 5
- 18 电机质量 (Weight) 40g

## 05A电机曲线图 motor curve

