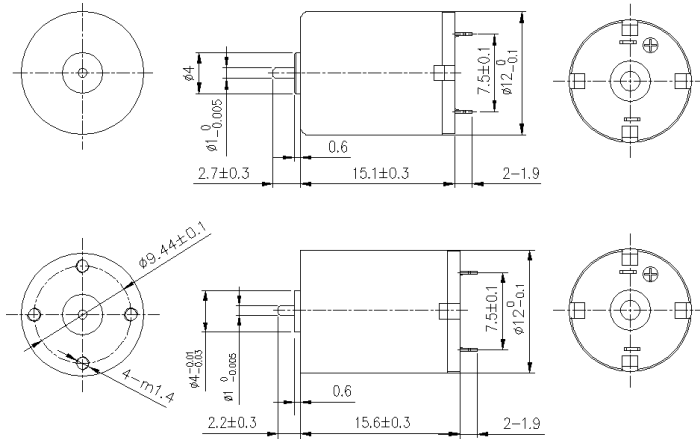




# Coreless Brush DC Motor

LS-1215R



Typical Applications: RC servo. Aircraft model. Door lock. Pan&Tilt

电机参数 (Motor data)		06A	04A	01A	21A	18A	02A
额定电压下数值 (Values at nominal voltage)							
1 额定电压 (Nominal voltage)	V	4.5	4.5	6	7.4	7.4	8
2 空载转速 (No load speed)	rpm	19500	15200	22900	27460	20000	32300
3 空载电流 (No load current)	mA	40	40	40	50	30	60
4 额定转速 (Nominal speed)	rpm	15300	11400	19250	23340	16300	27850
5 额定转矩 (最大连续转矩) (Nominal torque)	mNm	0.8	0.8	0.8	0.8	0.8	0.8
6 额定电流 (最大连续电流) (Nominal current)	A	0.4	0.34	0.36	0.36	0.25	0.4
7 堵转转矩 (Stall torque)	mNm	4.04	3.2	5.1	5.3	4.48	5.7
8 堵转电流 (Stall current)	A	1.88	1.16	2.07	2.13	1.3	2.48
9 最大效率 (Max efficiency)	%	75	71	77	75	75	74
电机常数 (Motor constant)							
10 相间电阻 (Terminal resistance)	Ω	2.4	3.87	2.9	3.48	5.7	3.23
11 转矩常数 (Torque constant)	mNm/A	2.16	2.77	2.45	2.52	3.46	2.32
12 速度常数 (Speed constant)	rpm/V	4333	3378	3817	3711	2703	4038

## 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) 35000rpm
- 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) 6.73g

## 01A电机曲线图 motor curve

