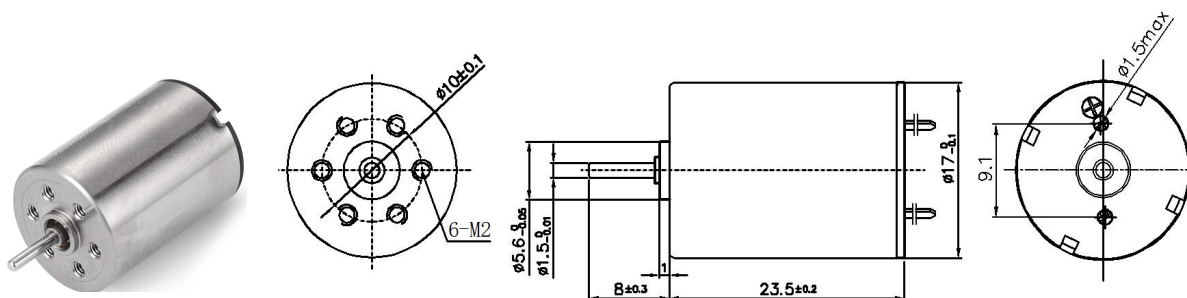




Coreless Brush DC Motor

LS-1723R



Typical Applications: RC servo. Tattoo machine

电机参数 (Motor data)		15A	48A	61A	30A	43A
额定电压下数值 (Values at nominal voltage)						
1 额定电压 (Nominal voltage)	V	5	5	8	10	10
2 空载转速 (No load speed)	rpm	11000	9450	6630	10270	9880
3 空载电流 (No load current)	mA	50	40	12	15	15
4 额定转速 (Nominal speed)	rpm	8800	7500	5250	7750	7900
5 额定转矩 (最大连续转矩) (Nominal torque)	mNm	3.2	3.06	2.37	3.5	3.4
6 额定电流 (最大连续电流) (Nominal current)	A	0.79	0.64	0.22	0.39	0.37
7 堵转转矩 (Stall torque)	mNm	16.0	14.7	11.4	14.2	17
8 堵转电流 (Stall current)	A	3.7	2.96	1	1.54	1.77
9 最大效率 (Max efficiency)	%	80	80	81	82	83
电机常数 (Motor constant)						
10 相间电阻 (Terminal resistance)	Ω	1.34	1.69	7.98	6.48	5.65
11 转矩常数 (Torque constant)	mNm/A	4.25	4.95	11.29	9.11	9.47
12 速度常数 (Speed constant)	rpm/V	2200	1890	829	1027	988

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) 25.7g

15A电机曲线图 motor curve

