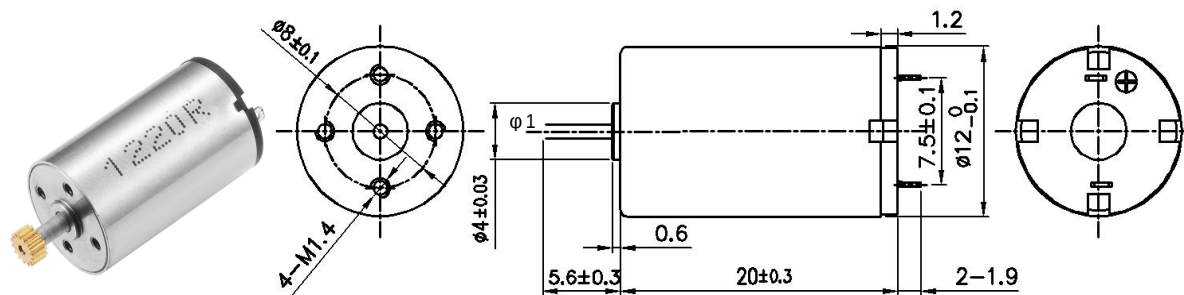


1220R Coreless Brush Motor



典型应用Typical Applications:舵机、智能小机器人

电机参数 (Motor data)		11A	15A	16A	17A		
额定电压下数值 (Values at nominal voltage)							
1 额定电压 (Nominal voltage)	V	7.4	12	12	12		
2 空载转速 (No load speed)	rpm	22410	26910	10590	10360		
3 空载电流 (No load current)	mA	35	30	10	10		
4 额定转速 (Nominal speed)	rpm	19380	23390	8420	8300		
5 额定转矩(最大连续转矩) (Nominal torque)	mNm	1.1	1.2	0.8	1		
6 额定电流(最大连续电流) (Nominal current)	A	0.38	0.31	0.83	0.1		
7 堵转转矩 (Stall torque)	mNm	8.1	9.2	3.9	4.9		
8 堵转电流 (Stall current)	A	2.61	2.2	0.36	0.46		
9 最大效率 (Max efficiency)	%	82	80	73	75		
电机常数 (Motor constant)							
10 相间电阻 (Terminal resistance)	Ω	2.83	5.45	32.96	26.37		
11 转矩常数 (Torque constant)	mNm/A	3.09	4.17	10.61	10.84		
12 速度常数 (Speed constant)	rpm/V	3028	2243	883	863		

其他特性参数Other characteristic parameters

- 13 环境温度范围 (Ambient temperature) -10~40℃
- 14 绕组最高允许温度 (Max permissible winding temperature) 80℃
- 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 换向器片数 (Number of the commutator segments) 5
- 18 电机质量 (Weight) 10g

11A电机曲线图 motor curve

