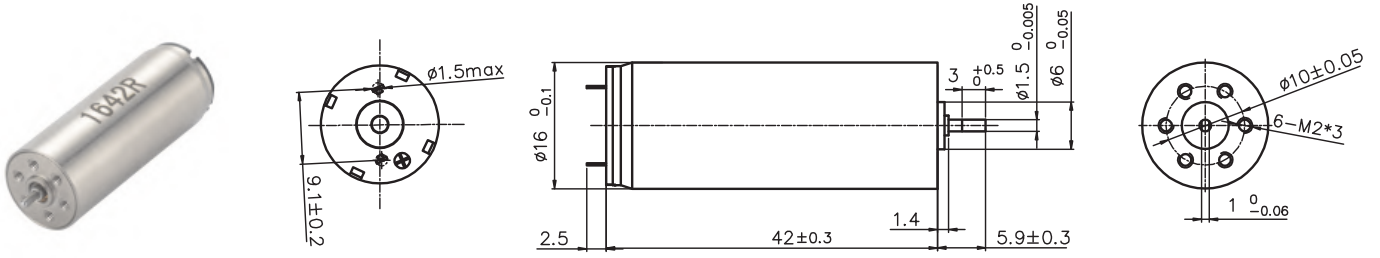


1642R 空心杯有刷电机

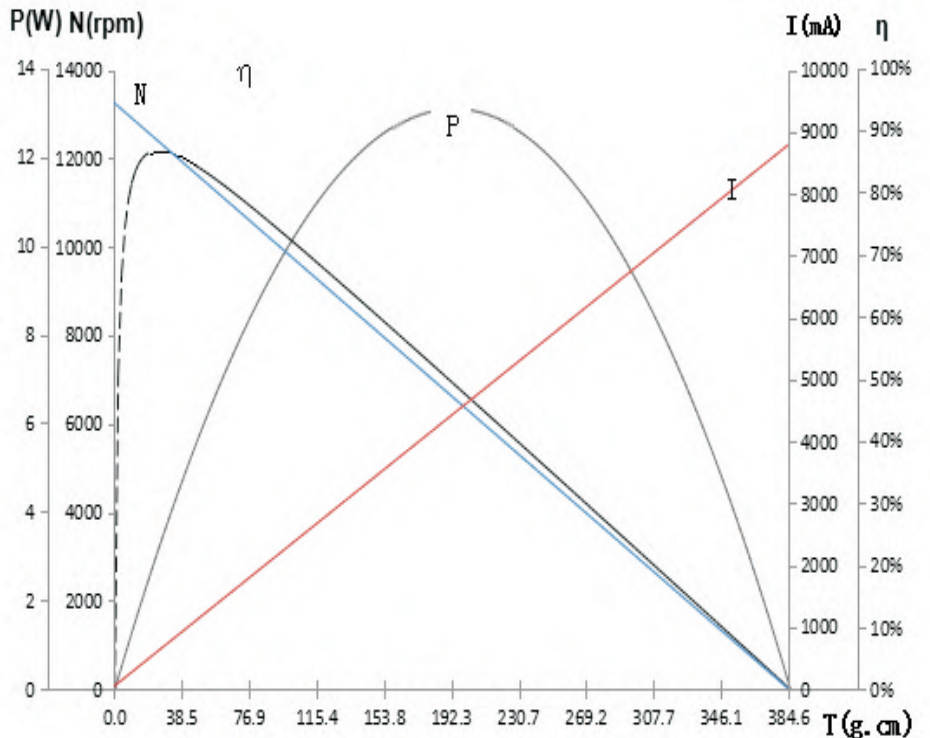


典型应用 Typical Applications: 舵机、智能小机器人

电机参数 (Motor data)		02A	05A	06A	08A12
额定电压下数值 (Values at nominal voltage)					
1 额定电压 (Nominal voltage)	v	5	6	12	24
2 空载转速 (No load speed)	rpm	9750	13260	10025	13000
3 空载电流 (No load current)	mA	55	42	31	9
4 额定转速 (Nominal speed)	rpm	8900	11536	9273	11765
5 额定转矩 (最大连续转矩) (Nominal torque)	mNm	2.00	5.0	2.00	4.00
6 额定电流 (最大连续电流) (Nominal current)	A	0.46	1.18	0.20	0.31
7 堵转转矩 (Stall torque)	mNm	27.91	37.40	26.16	42.11
8 堵转电流 (Stall current)	A	5.81	8.82	2.33	2.44
9 最大效率 (Max efficiency)	%	81	87	80	88
电机常数 (Motor constant)					
10 相间电阻 (Terminal resistance)	Ω	0.86	0.68	5.14	9.85
11 转矩常数 (Torque constant)	mNm/A	4.80	4.24	11.21	17.29
12 速度常数 (Speed constant)	rpm / V	1950	2210	835	542

其它特性参数 Other characteristic parameters 05A电机曲线图

- 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) 30g



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