

## L8.520N7M | 贵金属电刷 Precious Metal Commutation

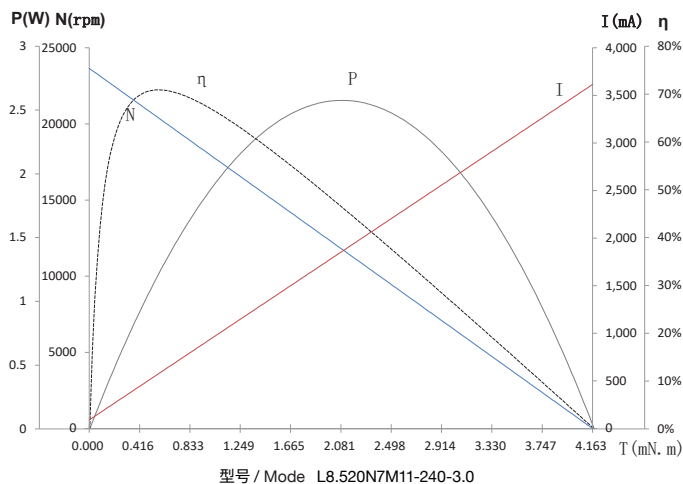
应用领域：微型无人机、智能电玩、小家电产品等领域。

Applications: mini UAV's, remote control hobby products, small household appliances, etc.

### 主要技术指标 | Characteristics

			11-240-3.0	01-300-7.0	02-200-5.0
1	电压	Voltage	V	3.0	5.0
2	端电阻	Terminal resistance	$\Omega$	0.83	2.9
3	空载转速	No-load speed	rpm	23650	20000
4	空载电流	No-load current	mA	90	70
5	堵转转矩	Stall torque	mNm	4.2	3.8
6	堵转电流	Stall current	mA	3610	1720
7	负载转矩	Load torque	mNm	0.5	1.0
8	负载转速	Load speed	rpm	20810	14710
9	负载电流	Load current	mA	510	510
10	最大输出功率	Max. output power	W	2.58	2.0
11	最大效率	Max. efficiency	%	71.1	64
12	反电势常数	Back-EMF constant	mV/rpm	0.12	0.2
13	转矩常数	Torque constant	mNm/A	1.18	2.3
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	5681	5290
15	转子惯量	Rotor inertia	gcm <sup>2</sup>	0.07	0.8
16	重量	Weight	g	4.87	4.9
17	工作温度范围	Operating temperature range	$^{\circ}\text{C}$	-20~+120	-20~+80

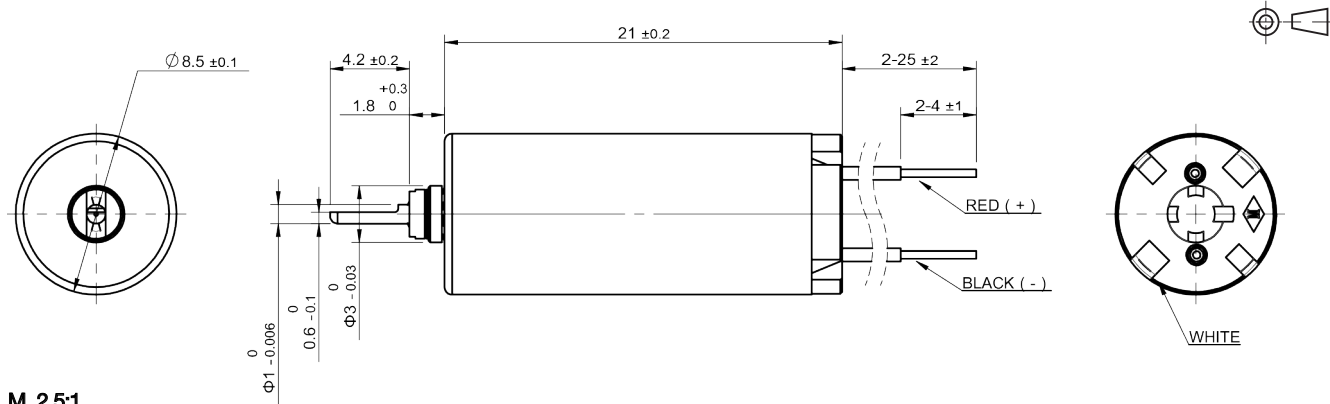
### 特性曲线 | Characteristics Curve



### 可选参数 | Options

导线长度	Lead wires length
轴长	Shaft length
性能	Special coils
齿轮箱	Gearheads

### 外观图 | Outline Drawing



规格如有变更，恕不另行通知  
Specification subject to change without notice