

## C1012F | 贵金属电刷 Precious Metal Commutation

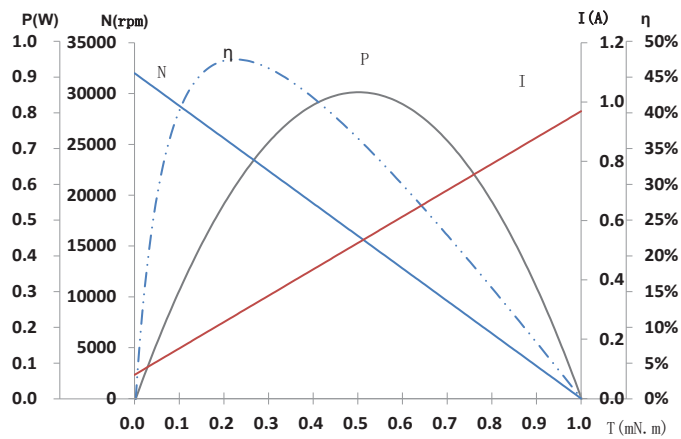
应用领域：安防、小型电子产品、飞机类遥控玩具、个人护理产品、便携工具等领域。

Applications: security equipment, small electronic products, remote control model aircraft, personal care products, portable electric tools, etc.

### 主要技术指标 | Characteristics

			43-0045	43-0108	43-0113	
1	电压	Voltage	V	4.5	2.0	3.0
2	端电阻	Terminal resistance	$\Omega$	3.7	16.5	11.1
3	空载转速	No-load speed	rpm	32000	7000	12900
4	空载电流	No-load current	mA	80	20	30
5	堵转转矩	Stall torque	mNm	1.00	0.30	0.50
6	堵转电流	Stall current	mA	969	120	288
7	负载转矩	Load torque	mNm	0.29	0.09	0.17
8	负载转速	Load speed	rpm	23000	4900	8400
9	负载电流	Load current	mA	330	50	120
10	最大输出功率	Max. output power	W	0.84	0.06	0.17
11	最大效率	Max. efficiency	%	46.4	46.3	44.7
12	反电势常数	Back-EMF constant	mV/rpm	0.13	0.24	0.21
13	转矩常数	Torque constant	mNm/A	1.13	3.00	1.94
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	32000	23333	25800
15	压敏电阻	Varistor	Yes/No	Yes	Yes	Yes
16	重量	Weight	g	3.15	3	3
17	工作温度范围	Operating temperature range	$^{\circ}\text{C}$	-20~+80	-20~+80	-20~+80

### 特性曲线 | Characteristics Curve



型号 / Model C1012F43-0045

### 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

