

0510RN

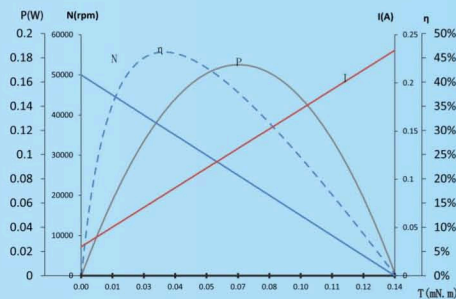
Precious metal commutation

Applications: Mini UAV, remote control toys, aerocrafts, mini household appliances and so on.

Characteristics

			-1-3.5	-1-4.2
1	Voltage	V	3.5	4.2
2	Terminal resistance	Ω	15.00	15.00
3	No-load speed	rpm	50000	55000
4	No-load current	mA	30	40
5	Stall torque	mNm	0.14	0.18
6	Stall current	mA	233	280
7	Load torque	mNm	0.03	0.03
8	Load speed	rpm	38960	45570
9	Load current	mA	75	81
10	Max. output power	W	0.18	0.25
11	Max. efficiency	%	47.26	45.19
12	Back-EMF constant	mV/rpm	0.06	0.07
13	Torque constant	mNm/A	0.58	0.63
14	Speed/torque gradient	rpm/mNm	367868	314263
15	Rotor inertia	gcm ²	0.006	0.006
16	Weight	g	0.8	0.8
17	Operating temperature range	°C	-20~+65	-20~+65

Characteristics Curve



Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads

Outline Drawing

