

0412RN

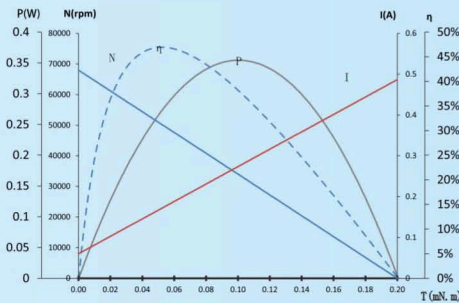
Precious metal commutation

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

Characteristics

			-71-3.4	-65-3.4	-60-3.4	-75-3.4
1	Voltage	V	3.4	3.4	3.4	3.4
2	Terminal resistance	Ω	7.00	8.30	8.70	20.00
3	No-load speed	rpm	68000	65000	60000	43000
4	No-load current	mA	60	55	50	30
5	Stall torque	mNm	0.20	0.18	0.18	0.11
6	Stall current	mA	486	410	391	170
7	Load torque	mNm	0.03	0.03	0.03 <td>0.03</td>	0.03
8	Load speed	rpm	57960	53990	50240	30800
9	Load current	mA	123	115	105	70
10	Max. output power	W	0.36	0.30	0.29	0.12
11	Max. efficiency	%	48.04	46.42	47.36	40.88
12	Back-EMF constant	mV/rpm	0.04	0.05	0.05	0.07
13	Torque constant	mNm/A	0.42	0.43	0.47	0.62
14	Speed/torque gradient	rpm/mNm	334541	366936	325347	406779
15	Rotor inertia	gcm ²	0.005	0.005	0.005	0.005
16	Weight	g	0.8	0.8	0.7	0.7
17	Operating temperature range	$^{\circ}\text{C}$	-20~+65	-20~+65	-20~+65	-20~+60

Characteristics Curve



Options

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

Outline Drawing

