

X0820RN

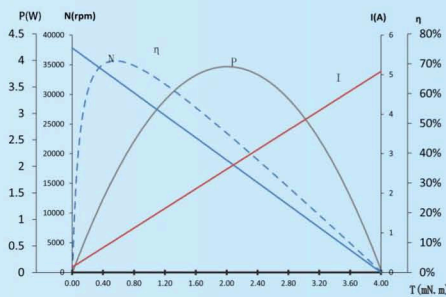
Precious metal commutation

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

Characteristics

			-12-3.0	-14-3.0	-15-3.0	-23-3.7
1	Voltage	V	3.2	3.4	3.0	3.7
2	Terminal resistance	Ω	0.63	0.5	0.45	3.95
3	No-load speed	rpm	37850	49000	46500	15100
4	No-load current	mA	130	180	200	30
5	Stall torque	mNm	4.00	4.39	3.98	2.12
6	Stall current	mA	5079	6800	6667	937
7	Load torque	mNm	0.5	0.5	0.5	0.5
8	Load speed	rpm	33110	43410	40660	11540
9	Load current	mA	749	935	1012	244
10	Max. output power	W	3.96	5.63	4.85	0.84
11	Max. efficiency	%	72.49	72.09	70.55	69.71
12	Back-EMF constant	mV/rpm	0.08	0.07	0.06	0.24
13	Torque constant	mNm/A	0.79	0.65	0.60	2.26
14	Speed/torque gradient	rpm/mNm	9472	11171	11672	7117
15	Rotor inertia	gcm ²	0.07	0.07	0.07	0.07
16	Weight	g	4.2	4.2	4.2	4.2
17	Operating temperature range	°C	-20~+85	-20~+85	-20~+85	-20~+85

Characteristics Curve



Model : X0820R2N57-10-75A6C-3.2

Options

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

Outline Drawing

