

0820RN

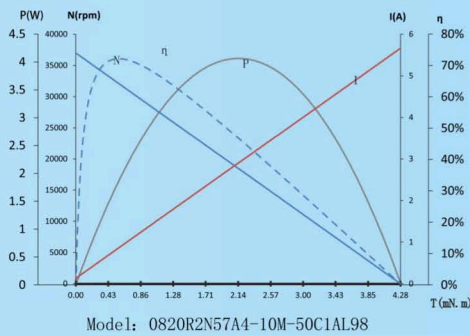
Precious metal commutation

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

Characteristics

			-10-3.0	-14-3.0	-1-3.4	-59-3.0	-45-3.0
1	Voltage	V	3	3	3.4	3	3
2	Terminal resistance	Ω	0.53	0.67	0.35	0.45	0.38
3	No-load speed	rpm	37000	32500	51000	36700	45700
4	No-load current	mA	130	90	200	130	170
5	Stall torque	mNm	4.28	3.87	6.06	5.10	4.84
6	Stall current	mA	5660	4478	9714	6667	7895
7	Load torque	mNm	1.0	1.0	1.0	1.0	1.0
8	Load speed	rpm	28360	24100	42580	29510	36260
9	Load current	mA	1422	1224	1771	1411	1765
10	Max. output power	W	4.15	3.29	8.10	4.91	5.80
11	Max. efficiency	%	73.75	75.24	74.98	75.57	74.48
12	Back-EMF constant	mV/rpm	0.08	0.09	0.07	0.08	0.06
13	Torque constant	mNm/A	0.76	0.86	0.62	0.77	0.61
14	Speed/torque gradient	rpm/mNm	8641	8403	8420	7193	9437
15	Rotor inertia	gcm ²	0.08	0.08	0.08	0.08	0.08
16	Weight	g	4.85	4.85	5.2	5.2	4.85
17	Operating temperature range	°C	-20~+85	-20~+85	-20~+85	-20~+85	-20~+85

Characteristics Curve



Options

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

Outline Drawing

