

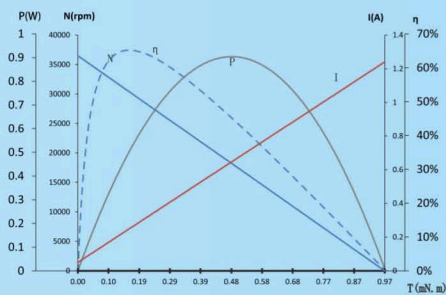
0615RN57

Precious metal commutation

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

Characteristics			-25-3.1	-29-3.1	-35-3.1	-37-3.1	-49-3.1	-13-3.1
1	Voltage	V	3.1	3.1	3.1	3.1	3.1	3.1
2	Terminal resistance	Ω	2.50	2.20	1.50	1.90	1.60	1.15
3	No-load speed	rpm	36500	38000	47500	44000	45110	53400
4	No-load current	mA	50	52	75	55	70	100
5	Stall torque	mNm	0.97	1.06	1.24	1.06	1.23	1.44
6	Stall current	mA	1240	1409	2067	1632	1938	2696
7	Load torque	mNm	0.15	0.15	0.15	0.15	0.15	0.15
8	Load speed	rpm	30830	32610	41760	37780	39590	47830
9	Load current	mA	235	245	316	278	299	371
10	Max. output power	W	0.92	1.05	1.55	1.22	1.45	2.01
11	Max. efficiency	%	66.62	67.84	68.07	69.05	68.13	67.77
12	Back-EMF constant	mV/rpm	0.08	0.08	0.06	0.07	0.07	0.06
13	Torque constant	mNm/A	0.78	0.75	0.60	0.65	0.63	0.53
14	Speed/torque gradient	rpm/mNm	37819	35944	38268	41482	36809	37111
15	Rotor inertia	gcm ²	0.016	0.016	0.016	0.016	0.016	0.016
16	Weight	g	1.8	1.8	1.8	1.8	1.8	1.8
17	Operating temperature range	°C	-20~+85	-20~+85	-20~+85	-20~+85	-20~+85	-20~+85

Characteristics Curve



Model: 0615RN57A-25-40H2-3.1

Options

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

Outline Drawing

