

## X0816RN

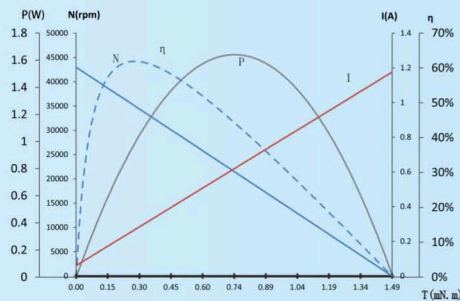
Precious metal commutation

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

### Characteristics

			-13-6.0	-6-5.0
1	Voltage	V	6	5
2	Terminal resistance	$\Omega$	5.1	2.65
3	No-load speed	rpm	43000	35700
4	No-load current	mA	60	40
5	Stall torque	mNm	1.49	2.47
6	Stall current	mA	1176	1887
7	Load torque	mNm	0.5	0.5
8	Load speed	rpm	28550	28470
9	Load current	mA	435	414
10	Max. output power	W	1.68	2.31
11	Max. efficiency	%	63.22	74.66
12	Back-EMF constant	mV/rpm	0.13	0.14
13	Torque constant	mNm/A	1.26	1.31
14	Speed/torque gradient	rpm/mNm	28905	14454
15	Rotor inertia	gcm <sup>2</sup>	0.07	0.07
16	Weight	g	3.1	3.1
17	Operating temperature range	°C	-20~+85	-20~+85

### Characteristics Curve

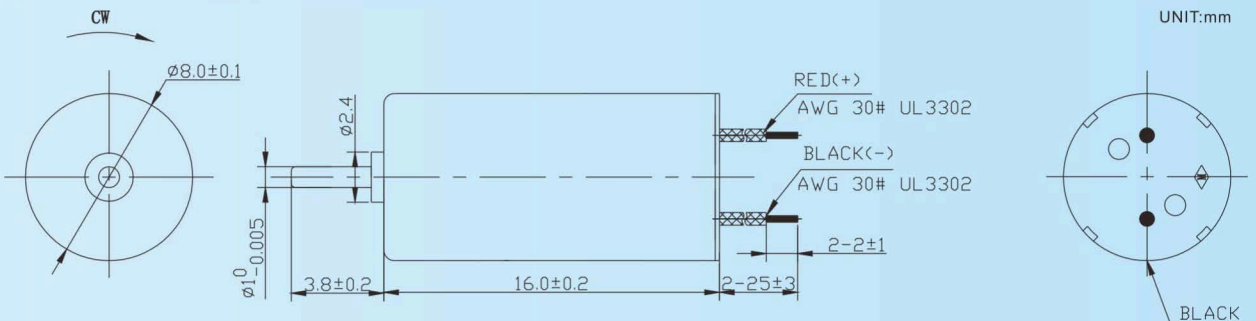


Model: X0816R2N57-13-25A3AL97-6.0

### Options

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

### Outline Drawing



UNIT:mm