1215RN

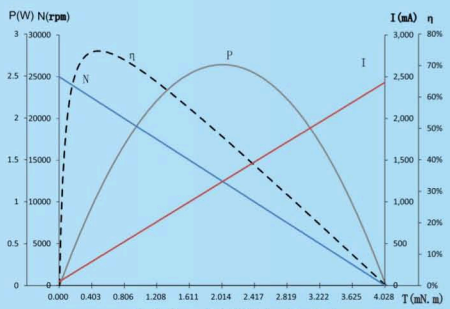
Precious metal commutation

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

Characteristics

			-12-4.5	-15-4.5	-17-4.5	-18-4.5	-32-4.5
1	Voltage	V	4.5	4.5	4.5	4.5	4.5
2	Terminal resistance	Ω	1.9	5.0	2.5	4.1	1.2
3	No-load speed	rpm	25000	16200	21000	26000	40000
4	No-load current	mA	45	30	40	35	130
5	Stall torque	mNm	4.0	2.3	3.6	1.8	3.9
6	Stall current	mA	2370	900	1800	1100	3750
7	Load torque	mNm	0.5	1.0	1.0	0.5	0.5
8	Load speed	rpm	21870	9180	15170	18610	34860
9	Load current	mA	340	410	530	340	600
10	Max. output power	W	2.6	1.0	2.0	1.2	4.1
11	Max. efficiency	%	76	69	74	70	69
12	Back-EMF constant	mV/rpm	0.2	0.3	0.2	0.2	0.1
13	Torque constant	mNm/A	1.7	2.6	2.0	1.6	1.0
14	Speed/torque gradient	rpm/mNm	6260	7020	5830	14770	10290
15	Rotor inertia	gcm^2	0.1	0.1	0.1	0.1	0.09
16	Weight	g	6.5	6.5	6.5	6.5	6.5
17	Operating temperature range	℃	-20～+65	-20～+65	-20～+65	-20～+65	-20～+65

Characteristics Curve

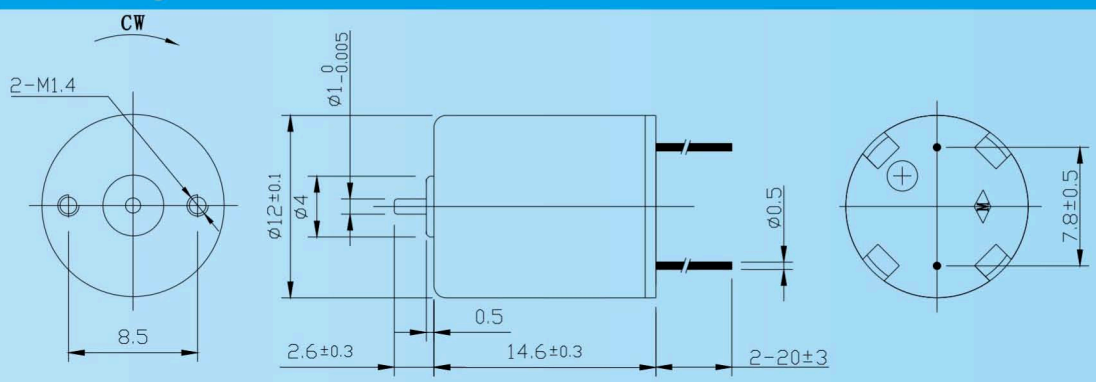


Model： 1215RN01-12-4.5

Options

Lead wires length
Shaft length
Special coils
Gearheads

Outline Drawing



UNIT:mm