

0612RN57

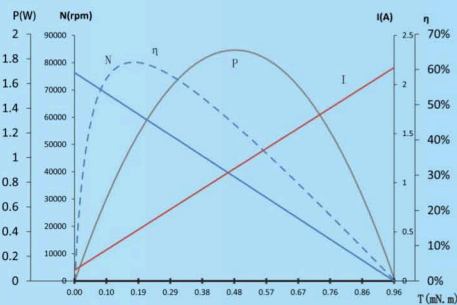
Precious metal commutation

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

Characteristics

			-55-3.7	-20-3.2	-78-3.7	-64-4.5
1	Voltage	V	3.7	3.2	3.7	4.5
2	Terminal resistance	Ω	1.70	2.20	2.00	6.70
3	No-load speed	rpm	76400	50000	73000	44000
4	No-load current	mA	110	80	90	43
5	Stall torque	mNm	0.96	0.84	0.85	0.61
6	Stall current	mA	2176	1455	1850	672
7	Load torque	mNm	0.05	0.05	0.05 <td 0.05	
8	Load speed	rpm	72400	47020	68720	40420
9	Load current	mA	218	162	193	94
10	Max. output power	W	1.91	1.10	1.63	0.71
11	Max. efficiency	%	63.35	62.07	63.92	59.67
12	Back-EMF constant	mV/rpm	0.05	0.06	0.05	0.10
13	Torque constant	mNm/A	0.44	0.58	0.46	0.91
14	Speed/torque gradient	rpm/mNm	79944	59520	85696	71667
15	Rotor inertia	gcm ²	0.014	0.014	0.014	0.014
16	Weight	g	1.3	1.3	1.3	1.3
17	Operating temperature range	$^{\circ}\text{C}$	-20~+65	-20~+65	-20~+65	-20~+65

Characteristics Curve

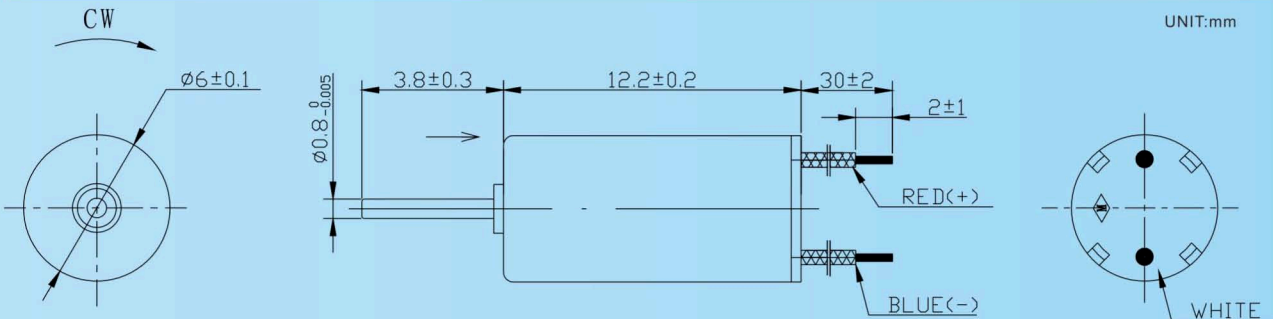


Model: 0612RN57L-55-30A1L7-3.7

Options

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

Outline Drawing



UNIT:mm