

2414ZWW

Outer Rotor Without Sensor

Applications: UAV, Aeromodelling, etc.

Characteristics

			-2-12.0	
1	Voltage	V	12	
2	Terminal resistance	Ω	20	
3	No-load speed	rpm	6400	
4	No-load current	A	0.04	
5	Nominal torque	mNm	4.7	
6	Nominal speed	rpm	3200	
7	Nominal current	A	0.32	
8	Max. output power	W	1.6	
9	Max. efficiency	%	55	
10	Back-EMF constant	mV/rpm	1.75	
11	Torque constant	mNm/A	16.7	
12	KV Value	rpm/V	530	
13	Speed/torque gradient	rpm/mNm	680	
14	Rotor inertia	gcm ²	12	
15	Weight	g	15	
16	Thermal resistance housing-ambient	K/W	4.5	
17	Thermal resistance winding-housing	K/W	5.5	
18	Thermal time constant motor	s	160	
19	Thermal time constant winding	s	20	
20	Operating temperature range	°C	-40~+100	
21	Max. winding temperature	°C	155	
22	Axial play	mm	0.012	
23	Radial play	mm	0.008	
24	Axial load dynamic	N	1.5	
25	Axial load static	N	37	
26	Radial load at 3 mm from mounting face	N	12	
27	No. of pole pairs		4	
28	Bearings		2 ball bearings	
29	Commutation		Sensorless	
30	Protection class		IP 30	

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type
- Encoder
- Driver

Outline Drawing

