

1511ZWW

Outer Rotor Without Sensor

Applications: UAV, Aeromodelling, etc.

Characteristics

			-3-7.4	
1	Voltage	V	7.4	
2	Terminal resistance	Ω	0.45	
3	No-load speed	rpm	35000	
4	No-load current	A	0.4	
5	Nominal torque	mNm	4	
6	Nominal speed	rpm	30000	
7	Nominal current	A	2.4	
8	Max. output power	W	29	
9	Max. efficiency	%	71	
10	Back-EMF constant	mV/rpm	0.21	
11	Torque constant	mNm/A	1.97	
12	KV Value	rpm/V	4700	
13	Speed/torque gradient	rpm/mNm	1100	
14	Rotor inertia	gcm ²	0.6	
15	Weight	g	5.8	
16	Thermal resistance housing-ambient	K/W	9	
17	Thermal resistance winding-housing	K/W	19	
18	Thermal time constant motor	s	80	
19	Thermal time constant winding	s	32	
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	
25	Axial load static	N	25	
26	Radial load at 3 mm from mounting face	N	6.3	
27	No. of pole pairs		6	
28	Bearings		2 ball bearings	
29	Commutation		Sensorless	
30	Protection class		IP 20	

Options

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

Outline Drawing

