

## 1709ZWW

Outer Rotor Without Sensor

Applications: UAV, Aeromodelling, etc.

### Characteristics

			-1-10.0	
1	Voltage	V	10	
2	Terminal resistance	$\Omega$	5.2	
3	No-load speed	rpm	26000	
4	No-load current	A	0.11	
5	Nominal torque	mNm	2.6	
6	Nominal speed	rpm	14800	
7	Nominal current	A	0.72	
8	Max. output power	W	4.3	
9	Max. efficiency	%	58	
10	Back-EMF constant	mV/rpm	0.36	
11	Torque constant	mNm/A	3.5	
12	KV Value	rpm/V	2600	
13	Speed/torque gradient	rpm/mNm	4100	
14	Rotor inertia	gcm <sup>2</sup>	0.7	
15	Weight	g	7.5	
16	Thermal resistance housing-ambient	K/W	15	
17	Thermal resistance winding-housing	K/W	20	
18	Thermal time constant motor	s	60	
19	Thermal time constant winding	s	2	
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		6	
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

UNIT:mm

