

2828ZWW

Outer Rotor Without Sensor

Applications: UAV, Aeromodelling, etc.

Characteristics

			-5-14.8
1	Voltage	V	14.8
2	Terminal resistance	Ω	0.12
3	No-load speed	rpm	13000
4	No-load current	A	0.65
5	Nominal torque	mNm	145.9
6	Nominal speed	rpm	11600
7	Nominal current	A	14.1
8	Max. output power	W	452
9	Max. efficiency	%	86
10	Back-EMF constant	mV/rpm	1.13
11	Torque constant	mNm/A	10.8
12	KV Value	rpm/V	880
13	Speed/torque gradient	rpm/mNm	9.8
14	Rotor inertia	gcm ²	35
15	Weight	g	61
16	Thermal resistance housing-ambient	K/W	2.6
17	Thermal resistance winding-housing	K/W	3
18	Thermal time constant motor	s	315
19	Thermal time constant winding	s	45
20	Operating temperature range	$^{\circ}\text{C}$	-40~+100
21	Max. winding temperature	$^{\circ}\text{C}$	155
22	Axial play	mm	0.012
23	Radial play	mm	0.008
24	Axial load dynamic	N	8
25	Axial load static	N	85
26	Radial load at 3 mm from mounting face	N	26
27	No. of pole pairs		7
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

UNIT:mm

