

2316ZWW

Outer Rotor Without Sensor

Applications: UAV, Aeromodelling, etc.

Characteristics

			-5-12.0
1	Voltage	V	12
2	Terminal resistance	Ω	0.5
3	No-load speed	rpm	19500
4	No-load current	A	0.45
5	Nominal torque	mNm	27.2
6	Nominal speed	rpm	15600
7	Nominal current	A	5.16
8	Max. output power	W	70
9	Max. efficiency	%	75
10	Back-EMF constant	mV/rpm	0.6
11	Torque constant	mNm/A	5.8
12	KV Value	rpm/V	1625
13	Speed/torque gradient	rpm/mNm	143
14	Rotor inertia	gcm ²	23
15	Weight	g	15
16	Thermal resistance housing-ambient	K/W	4.9
17	Thermal resistance winding-housing	K/W	5.6
18	Thermal time constant motor	s	160
19	Thermal time constant winding	s	26
20	Operating temperature range	°C	-40~+100
21	Max. winding temperature	°C	155
22	Axial play	mm	0.014
23	Radial play	mm	0.008
24	Axial load dynamic	N	5
25	Axial load static	N	80
26	Radial load at 3 mm from mounting face	N	29
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

