

4834ZWW

Outer Rotor Without Sensor

Applications: UAV, industrial automation, etc.

Characteristics

			-1-22.2	
1	Voltage	V	22.2	
2	Terminal resistance	Ω	0.08	
3	No-load speed	rpm	10400	
4	No-load current	A	1.3	
5	Nominal torque	mNm	504	
6	Nominal speed	rpm	9500	
7	Nominal current	A	26.2	
8	Max. output power	W	1527	
9	Max. efficiency	%	87	
10	Back-EMF constant	mV/rpm	2.1	
11	Torque constant	mNm/A	20	
12	KV Value	rpm/V	470	
13	Speed/torque gradient	rpm/mNm	1.9	
14	Rotor inertia	gcm ²	272	
15	Weight	g	180	
16	Thermal resistance housing-ambient	K/W	1	
17	Thermal resistance winding-housing	K/W	1.2	
18	Thermal time constant motor	s	350	
19	Thermal time constant winding	s	50	
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	10	
25	Axial load static	N	110	
26	Radial load at 3 mm from mounting face	N	42	
27	No. of pole pairs		11	
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

