

4321ZWW

Outer Rotor Without Sensor

Applications: UAV gimbals and handheld gimbals

Characteristics

			-3-24.0	
1	Voltage	V	24	
2	Terminal resistance	Ω	1.03	
3	Terminal inductance	mH	0.57	
4	No-load speed	rpm	6700	
5	No-load current	A	0.2	
6	Nominal torque	mNm	117	
7	Nominal speed	rpm	5700	
8	Nominal current	A	3.7	
9	Max. output power	W	138	
10	Max. efficiency	%	82	
11	Back-EMF constant	mV/rpm	3.5	
12	Torque constant	mNm/A	34	
13	Speed/torque gradient	rpm/mNm	8.6	
14	Rotor inertia	gcm ²	130	
15	Weight	g	110	
16	Thermal resistance housing-ambient	K/W	5.4	
17	Thermal resistance winding-housing	K/W	5.5	
18	Thermal time constant motor	s	370	
19	Thermal time constant winding	s	13	
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	8	
25	Axial load static	N	85	
26	Radial load at 3 mm from mounting face	N	26	
27	No. of pole pairs		8	
28	Bearings		2 ball bearings	
29	Commutation		Sensorless	
30	Protection class		IP 30	

Options

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

Outline Drawing

