

1625RCN

Precious metal commutation

Applications: Precision driving field in medical, health care, automobile, industrial automation, etc.

Characteristics

			-24P-3.7	-25P-6.0	-17P-12.0
1	Voltage	V	3.7	6.0	12.0
2	Terminal resistance	Ω	7.6	3.1	16.5
3	No-load speed	rpm	6000	9800	8100
4	No-load current	mA	15	20	10
5	Stall torque	mNm	2.9	11.0	9.8
6	Stall current	mA	500	1900	700
7	Nominal torque	mNm	0.5	2.0	2.0
8	Nominal speed	rpm	4730	8080	6520
9	Nominal current	mA	95	350	150
10	Max. output power	W	0.4	2.8	2.1
11	Max. efficiency	%	70	81	79
12	Back-EMF constant	mV/rpm	0.6	0.6	1.5
13	Torque constant	mNm/A	5.7	5.8	14.0
14	Speed/torque gradient	rpm/mNm	2100	890	830
15	Rotor inertia	gcm ²	0.78	0.8	0.8
16	Weight	g	21.8	21.8	21.8
17	Thermal resistance housing-ambient	K/W		29.1	
18	Thermal resistance winding-housing	K/W		19.3	
19	Thermal time constant motor	s		193	
20	Thermal time constant winding	s		8	
21	Operating temperature range	°C		-20~+85	
22	Max. winding temperature	°C		85	
23	Axial play	mm		0.02~0.15	
24	Radial play	mm		0.014	
25	Axial load dynamic	N		0.8	
26	Axial load static	N		30	
27	Radial load at 3 mm from mounting face	N		1.4	
28	No. of pole pairs			1	
29	Bearings			2 sleeve bearings	
30	Commutator			metal 5 segments	
31	Protection class			IP 30	

Options

- Lead wires length
- Shaft length
- Special coils
- Gearheads
- Bearing type

Outline Drawing

