

1630RCN

Precious metal commutation

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

Characteristics

			-23-6.0	-4P-12.0
1	Voltage	V	6.0	12.0
2	Terminal resistance	Ω	3.2	15.4
3	No-load speed	rpm	8700	10900
4	No-load current	mA	20	20
5	Stall torque	mNm	12.4	8.2
6	Stall current	mA	1900	800
7	Nominal torque	mNm	3.0	3.0
8	Nominal speed	rpm	6570	7170
9	Nominal current	mA	480	270
10	Max. output power	W	2.82	2.34
11	Max. efficiency	%	81	73
12	Back-EMF constant	mV/rpm	0.7	1.1
13	Torque constant	mNm/A	6.5	10.2
14	Speed/torque gradient	rpm/mNm	700	1330
15	Rotor inertia	gcm ²	0.6	0.7
16	Weight	g	27	27
17	Thermal resistance housing-ambient	K/W	28.5	
18	Thermal resistance winding-housing	K/W	18	
19	Thermal time constant motor	s	187	
20	Thermal time constant winding	s	11	
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	0.025	
25	Axial load dynamic	N	2.2	
26	Axial load static	N	30	
27	Radial load at 3 mm from mounting face	N	8	
28	No. of pole pairs		1	
29	Bearings		2 ball bearings	
30	Commutator		metal 5 segments	
31	Protection class		IP 30	

Options

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

Outline Drawing

