

1620RCN

Precious metal commutation

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

Characteristics

			-21P-5.0
1	Voltage	V	5.0
2	Terminal resistance	Ω	4.7
3	No-load speed	rpm	10300
4	No-load current	mA	25
5	Stall torque	mNm	4.8
6	Stall current	mA	1060
7	Nominal torque	mNm	1.0
8	Nominal speed	rpm	8240
9	Nominal current	mA	230
10	Max. output power	W	1.3
11	Max. efficiency	%	73
12	Back-EMF constant	mV/rpm	0.5
13	Torque constant	mNm/A	4.5
14	Speed/torque gradient	rpm/mNm	2150
15	Rotor inertia	gcm ²	0.25
16	Weight	g	16
17	Thermal resistance housing-ambient	K/W	35.7
18	Thermal resistance winding-housing	K/W	25.6
19	Thermal time constant motor	s	172
20	Thermal time constant winding	s	15
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

Outline Drawing

