

2430RCG

Graphite Brush

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

Characteristics

			-3-7.4	
1	Voltage	V	7.4	
2	Rotor resistance	Ω	0.85	
3	No-load speed	rpm	13700	
4	No-load current	mA	180	
5	Stall torque	mNm	43.9	
6	Stall current	mA	8700	
7	Nominal torque	mNm	6.9	
8	Nominal speed	rpm	11500	
9	Nominal current	mA	1540	
10	Max. output power	W	15.8	
11	Max. efficiency	%	75	
12	Back-EMF constant	mV/rpm	0.5	
13	Torque constant	mNm/A	5.1	
14	Speed/torque gradient	rpm/mNm	310	
15	Rotor inertia	gcm ²	4.5	
16	Weight	g	50	
17	Thermal resistance housing-ambient	K/W	27	
18	Thermal resistance winding-housing	K/W	9.5	
19	Thermal time constant motor	s	210	
20	Thermal time constant winding	s	10	
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	0.012	
25	Axial load dynamic	N	1	
26	Axial load static	N	60	
27	Radial load at 3 mm from mounting face	N	4	
28	No. of pole pairs		1	
29	Bearings		2 sleeve bearings	
30	Commutator		metal 5 segments	
31	Protection class		IP 20	

Options

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

Outline Drawing

