

0816RCN**B

Precious metal commutation

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

Characteristics

			-1-8.0	-2-4.2
1	Voltage	V	8.0	4.2
2	Terminal resistance	Ω	60.0	12.4
3	No-load speed	rpm	15500	13700
4	No-load current	mA	6	15
5	Stall torque	mNm	0.61	0.95
6	Stall current	mA	130	340
7	Nominal torque	mNm	0.15	0.25
8	Nominal speed	rpm	11200	9800
9	Nominal current	mA	45	110
10	Max. output power	W	0.25	0.34
11	Max. efficiency	%	65	65
12	Back-EMF constant	mV/rpm	0.5	0.3
13	Torque constant	mNm/A	4.7	2.8
14	Speed/torque gradient	rpm/mNm	25300	14400
15	Rotor inertia	gcm ²	0.04	0.04
16	Weight	g	3.6	3.6
17	Thermal resistance housing-ambient	K/W	47	
18	Thermal resistance winding-housing	K/W	20	
19	Thermal time constant motor	s	72	
20	Thermal time constant winding	s	21	
21	Operating temperature range	°C	-20~+85	
22	Max. winding temperature	°C	85	
23	Axial play	mm	≤0.3	
24	Radial play	mm	0.012	
25	Axial load dynamic	N	0.15	
26	Axial load static	N	10	
27	Radial load at 3 mm from mounting face	N	0.7	
28	No. of pole pairs		1	
29	Bearings		2 sleeve bearings	
30	Commutator		metal 5 segments	
31	Protection class		IP 40	

Options

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

Outline Drawing

