

# 2040ZWWND

## Interior Rotor With Integrated Driver

Applications: Precision driving field in medical equipment, industrial automation, etc.

### Characteristics

			-1-6.5	
1	Voltage	V	6.5	
2	Operating Voltage	V	5.8~10	
3	Terminal resistance	$\Omega$	42	
4	No-load speed	rpm	2900	
5	No-load current	A	0.02	
6	Nominal torque	mNm	1.4	
7	Nominal speed	rpm	1200	
8	Nominal current	A	0.1	
9	Max. output power	W	0.18	
10	Max. efficiency	%	38	
11	Back-EMF constant	mV/rpm	1.9	
12	Torque constant	mNm/A	18	
13	KV Value	rpm/V	450	
14	Speed/torque gradient	rpm/mNm	1200	
15	Rotor inertia	gcm <sup>2</sup>	6.95	
16	Weight	g	47	
17	Thermal resistance housing-ambient	K/W	8	
18	Thermal resistance winding-housing	K/W	10	
19	Thermal time constant motor	s	800	
20	Thermal time constant winding	s	7	
21	Operating temperature range	°C	-40~+100	
22	Max. winding temperature	°C	130	
23	Axial play	mm	0.012	
24	Radial play	mm	0.008	
25	Axial load dynamic	N	5	
26	Axial load static	N	80	
27	Radial load at 3 mm from mounting face	N	29	
28	No. of pole pairs		1	
29	Bearings		2 ball bearings	
30	Commutation		Sensorless	
31	Protection class		IP 42	

### Options

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

### Outline Drawing

