

Specification		unit	value	tolerance
<b>Measured values</b>				
1	Measuring voltage	V	18	-
2	No-load speed	rpm	8300	±10%
3	No-load current	mA	75	max
4	Starting voltage	V	--	max
5	Terminal resistance	Ohm	5.4	±10%
<b>Recommended values</b>				
10	Continuous current (at 22°C)	A	0.92	max
11	Continuous torque	mNm	16.1	max
12	Angular acceleration	10 <sup>3</sup> rad/s <sup>2</sup>	181	max
13	Ambient working temperature range	°C	-30°C to 65°C	typical
14	Rated coil temperature	°C	155	max
<b>Intrinsic parameters</b>				
20	Back-EMF constant	V/1000 rpm	2.03	±8%
21	Torque constant	mNm/A	19.4	±8%
22	Motor regulation R/k <sub>2</sub>	10 <sup>3</sup> /Nms	13.71	typical
23	Rotor inductance (@1kHz)	mH	0.6	typical
24	Mechanical time constant	ms	4.5	-
25	Thermal resistance rotor-body	°C/W	6	typical
26	Thermal resistance body-ambient	°C/W	22	typical
27	Thermal time constant – rotor	s	9	typical
28	Thermal time constant –stator	s	550	typical
29	Rotor Inertia	Kgm <sup>2</sup> 10 <sup>-7</sup>	4.8	typical
30	Stall torque	mNm	68	±8%