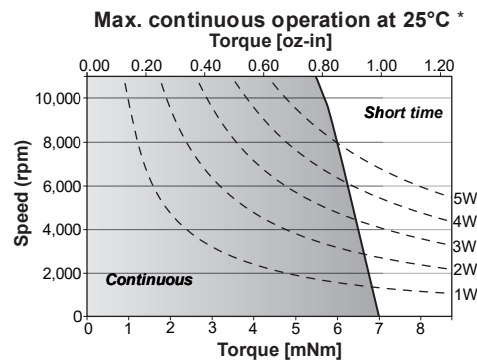


Dimensions in mm

Electrical Data	Symbol	26BC 3C-109P.101	Unit
1 Nominal Voltage	U_N	12	Volt
2 Optimization Direction	-	n.a.	-
3 No-Load Speed	n_0	14,800	rpm
4 Typical No-Load Current	I_0	180.0	mA
5 Max Continuous Mechanical Power (@25°C)	P_{max}	8.0	W
6 Max Continuous Current	$I_{e,max}$	0.8	A
7 Max Continuous Torque	$M_{e,max}$	7 (1)	mNm (oz-in)
8 Back EMF Constant	k_E	0.73	V/1000 rpm
9 Torque Constant	k_M	7.0	mNm/A
10 Motor Regulation	R/k^2	102.0	10 ³ /Nms
11 Motor Regulation	$k/R^{1/2}$	3.1 (0.44)	mNm/W ^{1/2} (oz-in/W ^{1/2})
12 Internal Resistance - phase to phase	R_i	5.00	ohms
13 Line to Line Resistance at Connectors	R_L	5.00	ohms
14 Inductance Phase to Phase	L	0.09	mH
15 Mechanical Time Constant	τ_m	95.0	ms
16 Electrical Time Constant	τ_e	0.02	ms

General Data			
17 Maximum Motor Speed	n_{max}	20,000	rpm
18 Ambient Working Temperature Range	-	0 to +70 (+32 to +158)	°C (°F)
19 Ambient Storage Temperature Range	-	0 to +70 (+32 to +158)	°C (°F)
20 Ball Bearings Preload	-	5.0	N
21 Axial Static Force w/o Shaft Support (max)	-	45.0	N
22 Maximum Winding Temperature	-	125 (257)	°C (°F)
23 Thermal Resistance	R_{th}	14.0	°C/W
24 Thermal Time Constant	τ_w	660	s
25 Weight	-	72 (2.54)	g (oz)
26 Rotor Inertia	J	9.400	g-cm ²
27 Hall Sensor Electrical Phasing	-	NA	Electrical °

Wire	Description
Gray	Phase 1
Violet	Phase 2
Blue	Phase 3
sensorless	



*Depends on coil and electronic 3C / 6A