

26mm Brushless DC -With Internal Drive



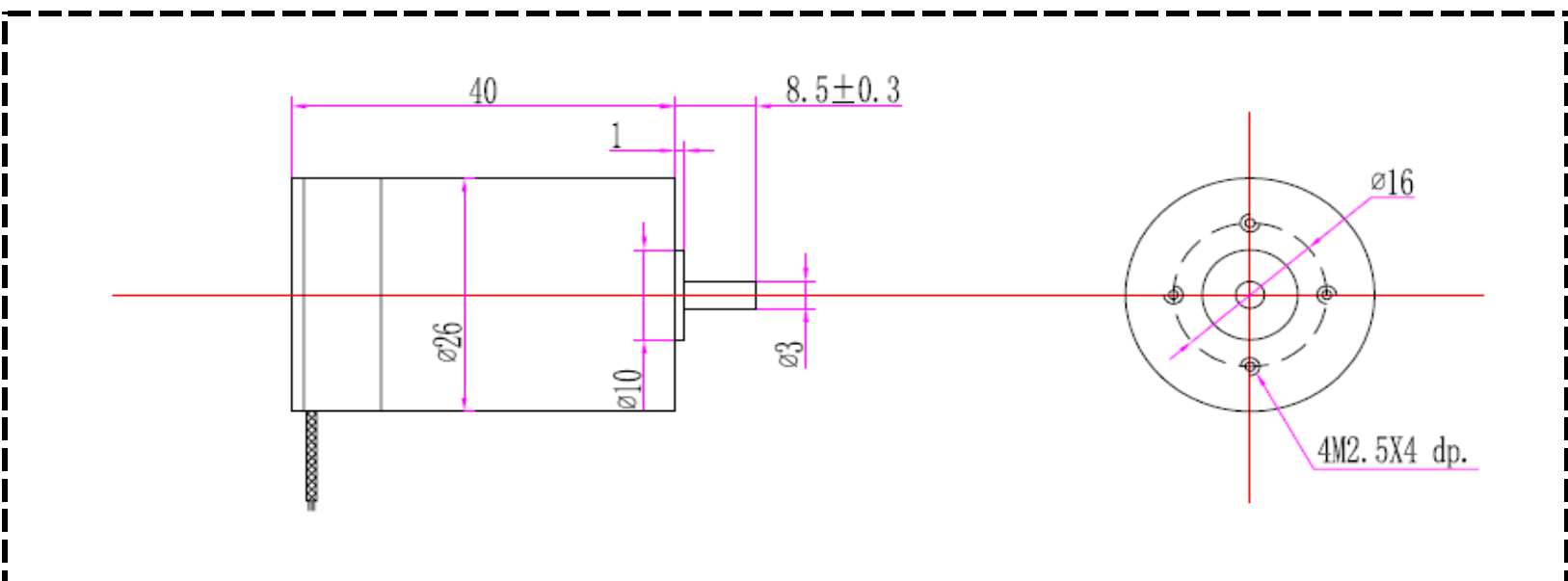
Specifications:

General Specifications

Number of phases	3
Number of poles	2
Operating temperature range	-30°C ~ 85°C
Commutation	Electrically commutated
Bearing type	Shielded ball bearings
Housing material	Black anodized aluminum
Magnet material	Sintered Nd-Fe-B
Direction of rotation	Reversible
Insulation Class	Class B (130°C max.)
Dielectric strength	500 VDC for one minute
Insulation resistance	100Mohms min., 500VDC

Model		DM2640-06-004-	DM2640-06-008-			
		04-1	09-1			
Nominal Voltage	V	6	6			
Rated Speed	RPM	4537	5903			
Rated Current	A	0.86	1.64			
Rated Torque	mNm	5.86	9.37			
Rated Efficiency	%	55	60			
Phase Resistance	R	2.2	1			
Output Power	W	3.6	8.1			
Max. Efficiency	%	55	60			
No-Load Speed	RPM	6180	7700			
No-Load Current	A	0.18	0.31			
Stall Torque	mNm	22.06	40.15			
Friction Torque	mNm	1.56	2.19			
Back EMF Constant	mV/RPM	0.91	0.74			
Torque Constant	mNm/A	8.66	7.06			
Slope of Speed vs. Torque Curve	RPM/mNm	280.18	191.77			
Mechanical time Constant	mS	12.76	8.74			
Rotor Inertia	g-cm ²	4.35	4.35			
Max. Angular Acceleration	10 ³ rad/s ²	50.71	92.3			
Sensor		Hall Sensor	Hall Sensor			
Driver Recommendation		DR3002IE	DR3002IE			
Weight	g	80	80			
Motor Body Length	"L"	40	40			

Outline Drawing



Performance Curve

