

26mm Brushless DC -With Internal Drive



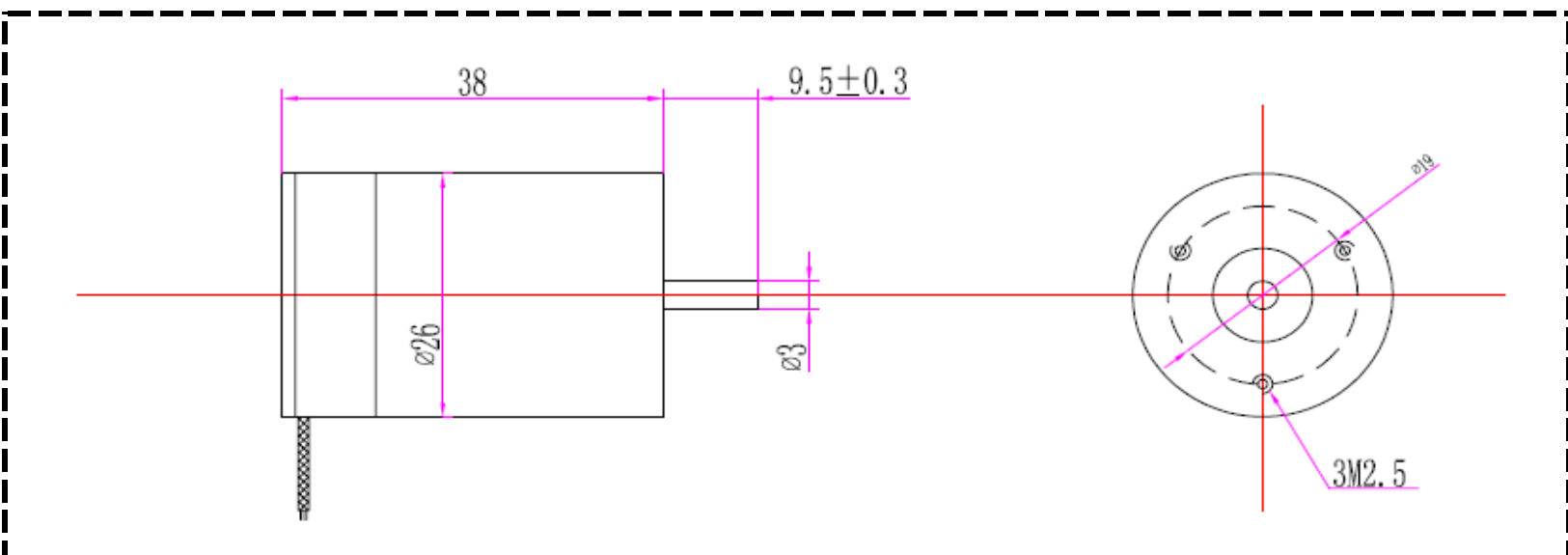
Specifications:

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		DM2638-06-000-00-1				
Nominal Voltage	V	6				
Rated Speed	RPM	707				
Rated Current	A	0.12				
Rated Torque	mNm	2.66				
Rated Efficiency	%	31				
Phase Resistance	R	29.5				
Output Power	W	0.2				
Max. Efficiency	%	31				
No-Load Speed	RPM	1400				
No-Load Current	A	0.04				
Stall Torque	mNm	5.37				
Friction Torque	mNm	1.32				
Back EMF Constant	mV/RPM	3.44				
Torque Constant	mNm/A	32.88				
Slope of Speed vs. Torque Curve	RPM/mNm	260.62				
Mechanical time Constant	mS	9.12				
Rotor Inertia	g-cm ²	3.34				
Max. Angular Acceleration	10 ³ rad/s ²	16.08				
Sensor		Sensorless				
Driver Recommendation		DR1802IE				
Weight	g	75				
Motor Body Length	"L"	38				

Outline Drawing



Performance Curve

