

75mm Brushless DC -With Internal Drive



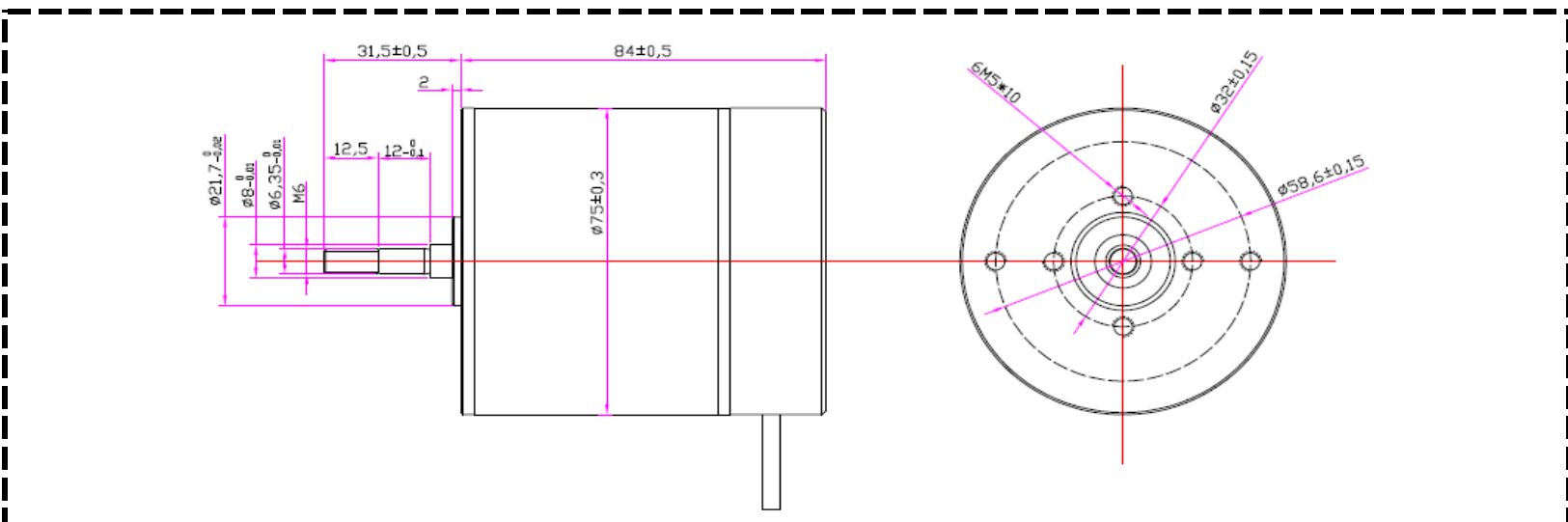
Specifications:

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		DM7584-24-063-04-I				
Nominal Voltage	V	24				
Rated Speed	RPM	4703				
Rated Current	A	2.64				
Rated Torque	mNm	82.4				
Rated Efficiency	%	65				
Phase Resistance	R	2.1				
Output Power	W	63.39				
Max. Efficiency	%	65				
No-Load Speed	RPM	5880				
No-Load Current	A	0.44				
Stall Torque	mNm	411.81				
Friction Torque	mNm	16.49				
Back EMF Constant	mV/RPM	3.92				
Torque Constant	mNm/A	37.48				
Slope of Speed vs. Torque Curve	RPM/mNm	14.28				
Mechanical time Constant	mS	126.49				
Rotor Inertia	g-cm ²	845.95				
Max. Angular Acceleration	10 ³ rad/s ²	4.87				
Sensor		Hall Sensor				
Driver Recommendation		DR3006IE				
Weight	g	1250				
Motor Body Length	"L"	84				

Outline Drawing



Performance Curve

