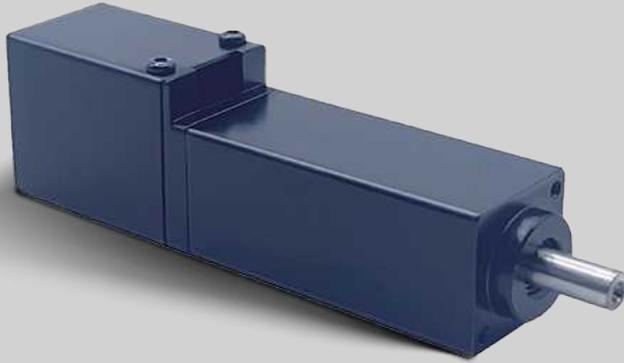


PLSM15 ULTRA-MINI DC SERVO MOTOR



Maximum Speed

6000rpm

Rated Torque

0.016N.m

IP Grade

IP50

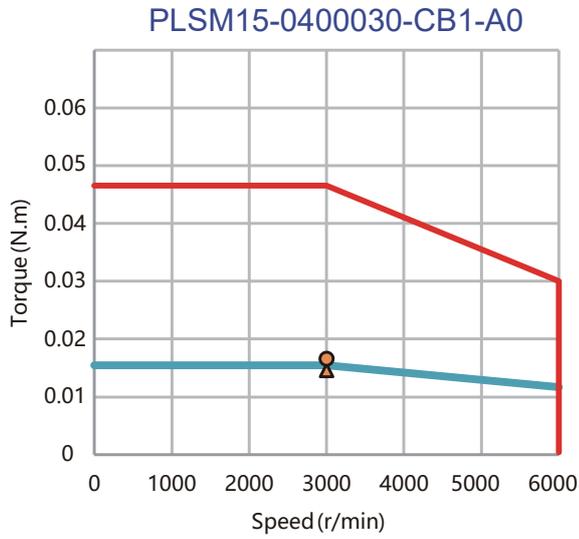
Rated Power

5W

Electrical Specifications

Model	PLSM15-0400030-CB1-A0					
Rated Power(W)	5					
Rated Voltage(V)	DC24					
Rated Current(A)	1.5					
Rated Torque(N.m)	0.016					
Rated Speed(r/min)	3000					
Peak Current(A)	4.5					
Peak Torque(N.m)	0.048					
Peak Speed(r/min)	6000					
Voltage Constant(V/1000r/min)	0.54					
Torque Coefficient(N.m/A)	0.011					
Line-line Resistance(Ω)	2.18					
Line-line Inductance(mH)	0.15					
Rotor Inertia($\text{kg}\cdot\text{m}^2\times 10^{-4}$)	0.0007					
Weight(kg)	0.4					
Number of Pole Pairs	2					
Encoder Resolution	Single-turn absolute value 17 bits					
Insulation Class	Class F					
Protection Class	IP50					
Environment	Ambient Temperature:-20-50°C /Ambient Humidity~90%(No Frosting Condition)					
Winding Socket	Winding Wire	U	V	W	PE	
	Socket Number	1	2	3	4	
Encoder Socket (Absolute Type)	Signal Pin Definition	PE	5V	0V	SD+	SD-
	Male Pin Number	1	2	3	4	5

Characteristic Curve



Dimensions

Motor Length	5W
L Without Brake (mm)	60

• Without Brake

