



Model No.

NFP-D1215SH-1-12.0

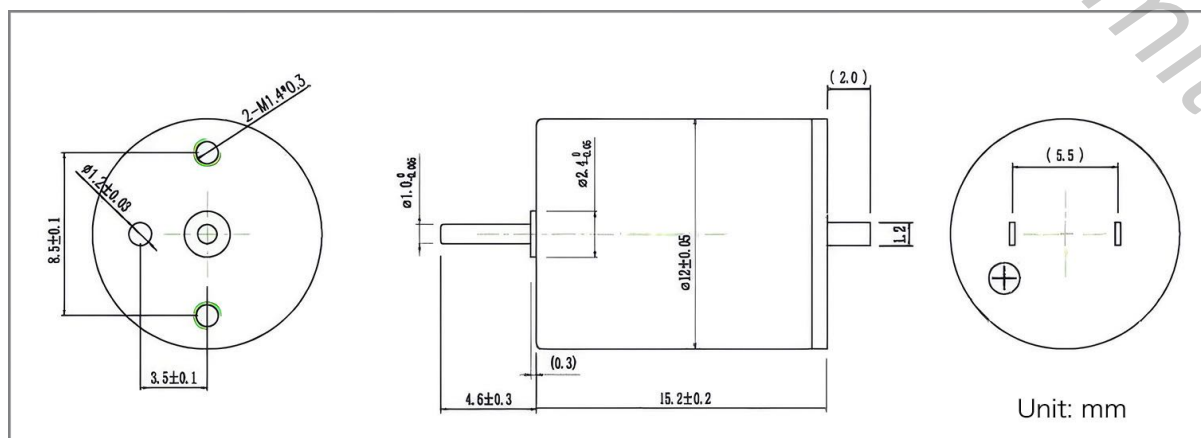
1. Application

This article regulates the relevant datasheet of model NFP-D1215SH-1-12.0 coreless DC motors.

2. Motor Parameters

Item	Value
Model	NFP-D1215SH-1-12.0
Voltage	12.0V
Terminal resistance	20.8Ω
No-load-speed	17,000rpm
No-load-current	15mA
Stall torque	<u>36.7g.cm</u>
Stall current	580mA
Max output power	1.62W
Max efficiency	71%
Torque constant	<u>65g.cm/A</u>
Rotor inertia	< <u>0.15g.cm²</u>
Weight	7.5g

3. Outline Drawing



4. Performance Curve

Need For Power Electronics Co., Limited

Performance Curve

客户名称Customer: /

额定电压 Rated voltage: 12 V/DC

电机型号Motor Model: NFP-D1215SH-1-12.0

额定负载Rated load: / gf.cm

电机转向steering: CW/CCW

测试日期testing Date: 2026-3-27

样品单号number: NFP-20260327003

Parameters table 性能参数表		F/L 空 载	Eff(max) 最大效率点	P(max) 最大功率点	Stall 堵转点
转矩 Torque:	gf.cm	0	5.1899	18.1646	36.7
转速 Speed:	Rpm	17000	14596	8585.86	0
电流 Current:	mA	15	94.899	294.646	580
输出 Output:	W	0	0.793268	1.6332	0
效率 Efficiency:	%	0	69.659	46.1909	0

特 征 参 数 parameter		
转矩常数 Torque Constant	63.27586206897	gf.cm/A
速度/转矩常数 Motor Regulation	472.6699184127	Rpm/gf.cm

