

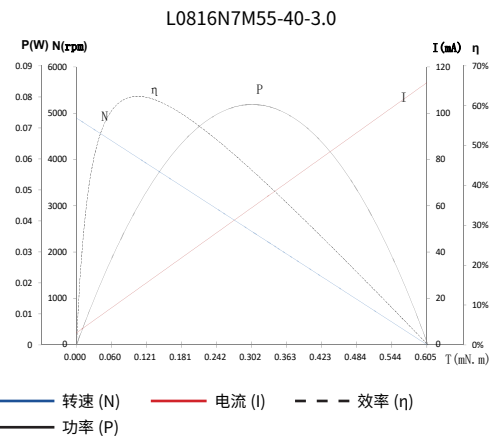
# L0816N7M $\varnothing 8.1\text{mm} \times 16.8\text{mm}$ , 贵金属电刷 Precious Metal Brushes

应用领域: 微型无人机、智能电玩、小家电产品等领域。

Applications: mini UAV's, remote control hobby products, small household appliances, etc.

				55-40-3.0	54-45-3.0	006065-60-3.0
<b>电机参数 / Motor Data</b>						
1	电压	Voltage	V	3.0	3.0	3.0
2	端电阻	Terminal resistance	$\Omega$	26.5	36	21.5
3	空载转速	No-load speed	rpm	4900	4500	6000
4	空载电流	No-load current	mA	5	5	8
5	堵转转矩	Stall torque	mNm	0.6	0.47	0.6
6	堵转电流	Stall current	mA	113	83	140
7	负载转矩	Load torque	mNm	0.3	0.3	0.3
8	负载转速	Load speed	rpm	2450	1630	3000
9	负载电流	Load current	mA	60	60	70
10	最大输出功率	Max. output power	W	0.1	0.1	0.1
11	最大效率	Max. efficiency	%	62	57.2	58.7
12	反电势常数	Back-EMF constant	mV/rpm	0.59	0.63	0.47
13	转矩常数	Torque constant	mNm/A	5.59	5.98	4.5
14	转速 / 转矩斜率	Speed/torque gradient	rpm/mNm	8167	9574	10000
15	转子惯量	Rotor inertia	gcm <sup>2</sup>	0.01	0.01	0.01
16	重量	Weight	g	3.7	3.7	3.7
17	工作温度范围	Operating temperature range	$^{\circ}\text{C}$	-20~+80		

特性曲线 / Characteristics Curve



仅供参考, 详细了解请以产品规格书为准。  
For reference only, please refer to the product specification.

## 可选配置 / Options

齿轮箱: 行星齿轮

Gearbox: planetary gearbox

齿轮组主要技术指标详见第 158 页

the main technical indicators of the gear group are detailed on page 158

性能 Special coils: 连续运行范围内可定制 customizable in continuous operation range

法兰 Flange: 标准前后法兰 standard front and rear flanges / 定制法兰 custom flanges

轴 Shaft: 长度 length / 异形 shape

电气连接 Electrical connection: 端子或导线 connector or wire / 导线长度 lead wires length

## 外观图 / Outline Drawing

