



## 80BLF直流无刷电机

### 一、电气性能

|                         |        |                                 |                   |
|-------------------------|--------|---------------------------------|-------------------|
| 绕组方式Winding Type        | 星形Star | 工作环境温度Ambient Temperature Range | -20C~+50°C        |
| 霍尔电位角度Hall Effect angle | 120°   | 绝缘电阻Insulation Resistance       | 100MΩMin 500VC DC |
| 绝缘等级Insulation Class    | B级绝缘   | 介电强度Dielectric Strength         | 700V AC 1 minute  |

### 二、技术数据

| 型号Model                              | 80BLF 86-430 | 80BLF 106-430 | 80BLF 126-430 | 80BLF 126-450 | 80BLF 126-630 |
|--------------------------------------|--------------|---------------|---------------|---------------|---------------|
| 极数Number of poles                    | 4            |               |               |               |               |
| 相数Number of phases                   | 3            |               |               |               |               |
| 额定电压Nominal voltage VDC              | 48           |               |               |               |               |
| 额定转速Rated speed RPM                  | 3000         | 3000          | 3000          | 5000          | 3000          |
| 额定扭矩Rated torque N-M                 | 0.4          | 0.7           | 1.2           | 1.2           | 1.2           |
| 额定电流Rated current Amps               | 5            | 7             | 12            | 12            | 2.1           |
| 输出功率Output power W                   | 126          | 220           | 376           | 628           | 376           |
| 峰值扭矩Peak torque N-M                  | 1.2          | 2.1           | 3             | 3             | 4.5           |
| 峰值电流Peak current Amps                | 15           | 21            | 36            | 36            | 6.3           |
| 力矩常数Torque constant N-M/A            | 0.11         | 0.11          | 0.11          | 0.11          | 0.72          |
| 反电势常数Back EMF constant V/K RPM       | 4.52         | 4.52          | 4.52          | 4.52          | 55            |
| 转动惯量Rotor inertia Kg·mm <sup>2</sup> | 390          | 530           | 650           | 650           | 0.6           |
| 机身长度Body length mm                   | 86           | 106           | 126           | 126           | 126           |
| 重量Mass Kg                            | 2            | 2.5           | 3             | 3             | 3             |

### 三、外形图

