



90BLF直流无刷电机

一、电气性能

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|-------------------------|--------|---------------------------------|-------------------|
| 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 | 90BLF 85-230 | 90BLF 110-430 | 90BLF 135-430 |
|--------------------------------------|--------------|---------------|---------------|
| 极数Number of poles | 4 | | |
| 相数Number of phases | 3 | | |
| 额定电压Nominal voltage VDC | 24 | 48 | 48 |
| 额定转速Rated speed RPM | 3000 | 3000 | 3000 |
| 额定扭矩Rated torque N-M | 1 | 1.8 | 2.5 |
| 额定电流Rated current Amps | 18 | 14.8 | 19.5 |
| 输出功率Output power W | 315 | 565 | 785 |
| 峰值扭矩Peak torque N-M | 3 | 5.4 | 7.5 |
| 峰值电流Peak current Amps | 54 | 42 | 55 |
| 力矩常数Torque constant N-M/A | 0.120 | 0.131 | 0.127 |
| 反电势常数Back EMF constant V/K RPM | 13 | 13.7 | 13.3 |
| 转动惯量Rotor inertia Kg·mm ² | 160 | 250 | 340 |
| 机身长度Body length mm | 85 | 110 | 135 |
| 重量Mass Kg | 3.5 | 4.5 | 5 |

三、外形图

