

## J28ZW X031A

| 电机参数 (Motor Parameters)                                                 |                   | 指标 (Performance Metrics) |
|-------------------------------------------------------------------------|-------------------|--------------------------|
| 1 额定电压 (Rated Voltage)                                                  | VDC               | 27                       |
| 2 空载转速 (No-Load Speed)                                                  | r/min             | 21800~22600              |
| 3 空载电流 (No-Load Current)                                                | A                 | ≤0.7                     |
| 4 额定转速 (Rated Speed)                                                    | r/min             | 19000~19700              |
| 5 额定转矩 (Rated Torque)                                                   | N.m               | 0.053                    |
| 6 额定电流 (Rated Current)                                                  | A                 | 4.8~5.3                  |
| 7 相间电阻 (Interphase Resistance)                                          | Ω                 | 0.33                     |
| 8 相间电感 (Interphase Inductance)                                          | mH                | 0.09                     |
| 9 机电时间常数 (Electromechanical Time Constant)                              | ms                | ≤4                       |
| 10 转子转动惯量 (Rotor Moment of Inertia)                                     | kg·m <sup>2</sup> | 5.62×10 <sup>-7</sup>    |
| 热参数 (Thermal Parameters)                                                |                   |                          |
| 11 最高绕组温度 (Maximum Winding Temperature)                                 | ℃                 | 220                      |
| 12 绝缘等级 (Insulation Class)                                              |                   | H                        |
| 机械参数 (Mechanical Parameters)                                            |                   |                          |
| 13 轴向间隙 (Axial Clearance)                                               | mm                | ≤0.15                    |
| 14 径向间隙 (Radial Clearance)                                              | mm                | ≤0.10                    |
| 其他参数 (Other Parameters)                                                 |                   |                          |
| 15 电机质量 (Motor Mass)                                                    | g                 | 204                      |
| 16 极对数 (Number of Poles)                                                |                   | 3                        |
| 产品组成 (Product Composition)                                              |                   |                          |
| 无刷直流电动机 (Brushless DC Motor)                                            |                   |                          |
| 机械特性 (转速-转矩/功率曲线) Mechanical Characteristics (Speed-Torque/Power Curve) |                   |                          |



