



| 主要参数        | 单位                | LDE-224042-W1-FA |
|-------------|-------------------|------------------|
| 连续转矩        | N.m               | 14.1             |
| 连续电流        | A rms             | 2.2              |
| 最大转矩        | N.m               | 42.2             |
| 最大电流        | A rms             | 6.6              |
| 转矩常数        | Nm/A rms          | 6.4              |
| 电阻 (ptp)    | Ohms (25° C)      | 7.5              |
| 电感 (ptp)    | mH (25° C)        | 17.1             |
| 极数          |                   | 40               |
| 反电势常数 (ptp) | Vrms/rad/s        | 5.2              |
| 最大额定功耗      | W (25° C)         | 69.3             |
| 电机常数        | Nm/√W             | 2.6              |
| 转动惯量        | Kg.m <sup>2</sup> | 0.012            |
| 电机重量        | Kg                | 5.5              |
| 最高转速        | rpm               | 380              |
| 定位精度        | Arc sec           | ±20              |
| 重复精度        | Arc sec           | ±1.5             |
| 分辨率         | sin/cos           | 11740            |
| 最大轴向载荷      | N                 | 8000             |
| 最大径向载荷      | N.m               | 80               |
| 轴向偏摆        | mm                | 0.005            |
| 径向偏摆        | mm                | 0.005            |

|              |   |     |          |              |              |  |              |                  |
|--------------|---|-----|----------|--------------|--------------|--|--------------|------------------|
| ZCOE<br>智和科技 | Material  |     | Revision | A            | Design by:   |  | Part No.     | LDE-224042-W1-FA |
|              | Scale   | 1:1 |          | Sheet 1 of 1 | Checked by:  |  | Description: | 力矩电机             |
|              | Unspecified Tolerance: ISO 2768-1 Class m<br>All Dimensions are Millimetres |     |          |              | Approved by: |  | Sub ASSM :   |                  |