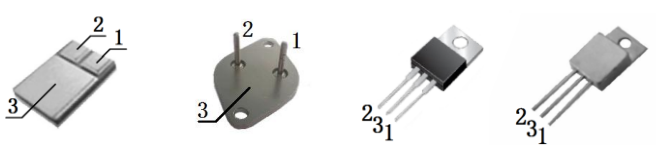


# 3DD203 型 NPN 硅低频大功率晶体管

| 参数符号  |                                                                                                                                                                                                                                                                                                                                                                                        | 测试条件                       | 规范值        |            |            |            |            |            | 单位            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------|------------|------------|------------|------------|------------|---------------|
|       |                                                                                                                                                                                                                                                                                                                                                                                        |                            | A          | B          | C          | D          | E          | F          |               |
| 极限值   | $P_{CM}$                                                                                                                                                                                                                                                                                                                                                                               | $T_C=75^{\circ}C$          | 10         |            |            |            |            |            | W             |
|       | $I_{CM}$                                                                                                                                                                                                                                                                                                                                                                               |                            | 1          |            |            |            |            |            | A             |
|       | $T_{jm}$                                                                                                                                                                                                                                                                                                                                                                               |                            | 175        |            |            |            |            |            | $^{\circ}C$   |
|       | $T_{stg}$                                                                                                                                                                                                                                                                                                                                                                              |                            | -55~150    |            |            |            |            |            | $^{\circ}C$   |
|       | $R_{th}$                                                                                                                                                                                                                                                                                                                                                                               | $V_{CE}=10V$<br>$I_C=0.3A$ | 10         |            |            |            |            |            | $^{\circ}C/W$ |
| 直流参数  | $V_{(BR)CBO}$                                                                                                                                                                                                                                                                                                                                                                          | $I_{CB}=1mA$               | $\geq 80$  | $\geq 150$ | $\geq 200$ | $\geq 250$ | $\geq 350$ | $\geq 450$ | V             |
|       | $V_{(BR)CEO}$                                                                                                                                                                                                                                                                                                                                                                          | $I_{CE}=1mA$               | $\geq 50$  | $\geq 100$ | $\geq 150$ | $\geq 200$ | $\geq 250$ | $\geq 300$ | V             |
|       | $V_{(BR)EBO}$                                                                                                                                                                                                                                                                                                                                                                          | $I_{EB}=1mA$               | $\geq 4.0$ |            |            |            |            |            | V             |
|       | $I_{CBO}$                                                                                                                                                                                                                                                                                                                                                                              | $V_{CB}=50V$               | $\leq 0.1$ |            |            |            |            |            | mA            |
|       | $I_{CEO}$                                                                                                                                                                                                                                                                                                                                                                              | $V_{CE}=50V$               | $\leq 0.5$ |            |            |            |            |            | mA            |
|       | $I_{EBO}$                                                                                                                                                                                                                                                                                                                                                                              | $V_{EB}=4V$                | $\leq 0.1$ |            |            |            |            |            | mA            |
|       | $V_{BEsat}$                                                                                                                                                                                                                                                                                                                                                                            | $I_C=0.5A$                 | $\leq 1.2$ |            |            |            |            |            | V             |
|       | $V_{CEsat}$                                                                                                                                                                                                                                                                                                                                                                            | $I_B=0.05A$                | $\leq 0.6$ |            |            |            |            |            |               |
|       | $h_{FE}$                                                                                                                                                                                                                                                                                                                                                                               | $V_{CE}=10V$<br>$I_C=0.5A$ | 25~180     |            |            |            |            |            |               |
| 外形线说明 |  <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>SMD-1</span> <span>B2-01B(F1)</span> <span>TO-220</span> <span>TO-257</span> </div> <div style="margin-top: 20px;">             1. E 发射极<br/>             2. B 基 极<br/>             3. C 集电极           </div> |                            |            |            |            |            |            |            |               |
| 替代型号: |                                                                                                                                                                                                                                                                                                                                                                                        |                            |            |            |            |            |            |            |               |