

SLA4390

查询SLA4390供应商

PNP + NPN Darlington

搜罗邦, 专业PCB打样工厂, 24小时加急出货

H-bridge

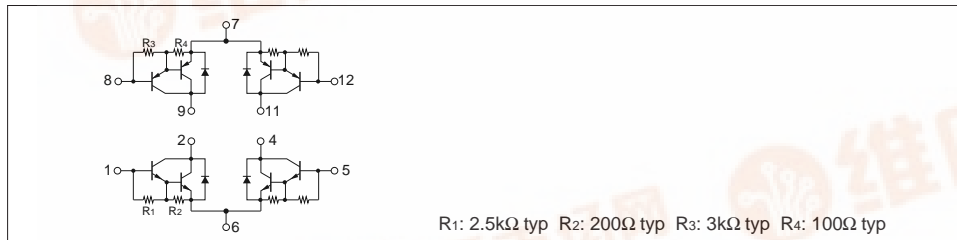
External dimensions  SLA

Absolute maximum ratings

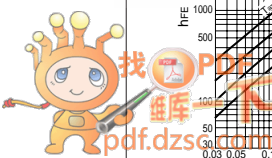
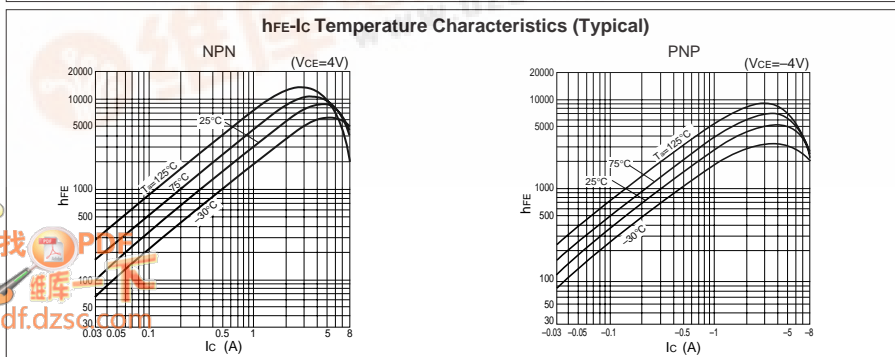
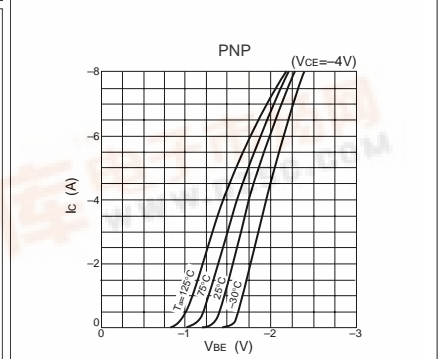
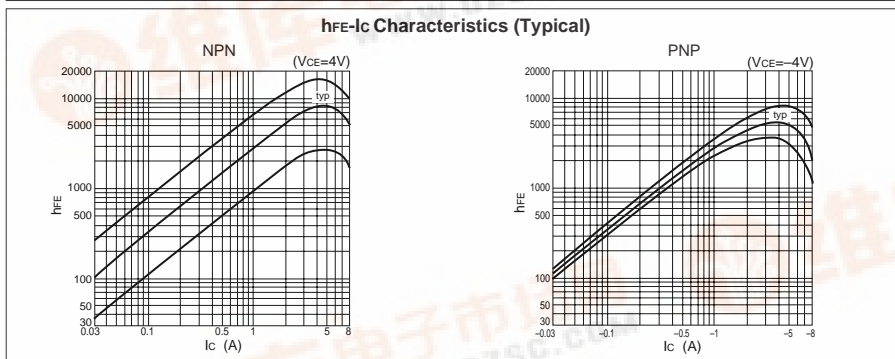
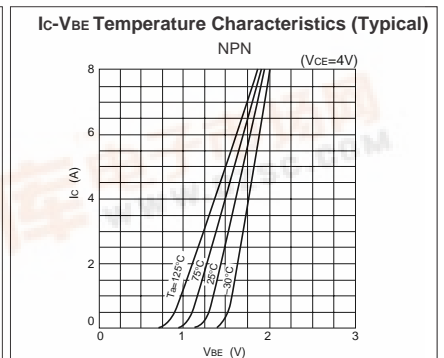
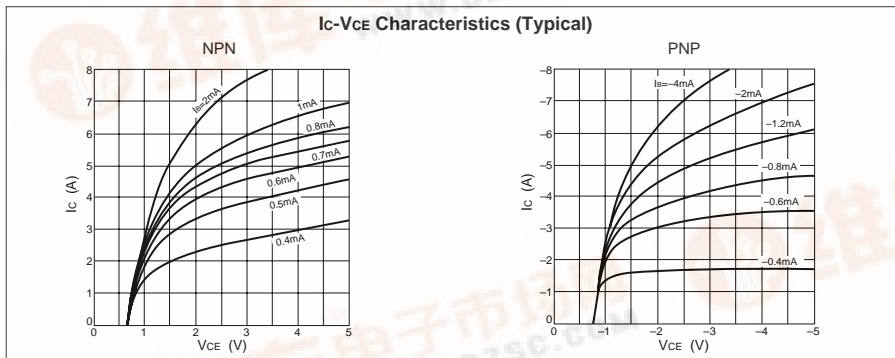
(Ta=25°C)

| Symbol | Specification | | Unit |
|------------------|-------------------------------------|---------------------|------------------|
| | NPN | PNP | |
| V _{CBO} | 100 | -100 | V |
| V _{CEO} | 100 | -100 | V |
| V _{EBO} | 6 | -6 | V |
| I _C | 5 | -5 | A |
| I _{CP} | 8 (PW≤1ms, Du≤50%) | -8 (PW≤1ms, Du≤50%) | A |
| I _B | 0.5 | -0.5 | A |
| P _T | 5 (Ta=25°C) | | W |
| | 25 (Tc=25°C) | | |
| V _{ISO} | 1000 (Between fin and lead pin, AC) | | V _{rms} |
| T _j | 150 | | °C |
| T _{stg} | -40 to +150 | | °C |
| θ _{j-c} | 5 | | °C/W |

Equivalent circuit diagram



Characteristic curves



SLA4390

Electrical characteristics

($T_a=25^\circ\text{C}$)

| Symbol | NPN | | | | | PNP | | | | |
|---------------|---------------|-----|-----|---------------|-----------------------------------|---------------|-----|------|---------------|-------------------------------------|
| | Specification | | | Unit | Conditions | Specification | | | Unit | Conditions |
| | min | typ | max | | | min | typ | max | | |
| I_{CBO} | | | 10 | μA | $V_{CB}=100\text{V}$ | | | -10 | μA | $V_{CB}=-100\text{V}$ |
| I_{EBO} | | | 10 | mA | $V_{EB}=6\text{V}$ | | | -10 | mA | $V_{EB}=-6\text{V}$ |
| V_{CEO} | 100 | | | V | $I_C=10\text{mA}$ | -100 | | | V | $I_C=-10\text{mA}$ |
| h_{FE} | 2000 | | | | $V_{CE}=4\text{V}, I_C=3\text{A}$ | 2000 | | | | $V_{CE}=-4\text{V}, I_C=-3\text{A}$ |
| $V_{CE(sat)}$ | | | 1.5 | V | $I_C=3\text{A}, I_B=6\text{mA}$ | | | -1.5 | V | $I_C=-3\text{A}, I_B=-6\text{mA}$ |

Characteristic curves

