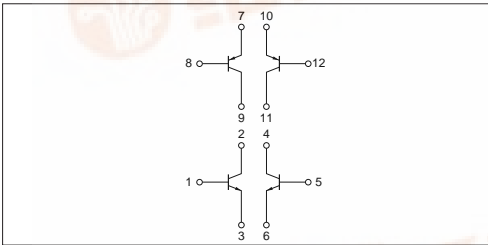


## Absolute maximum ratings

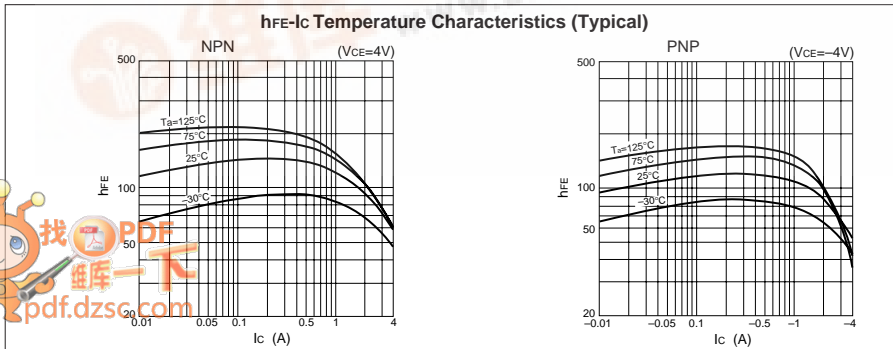
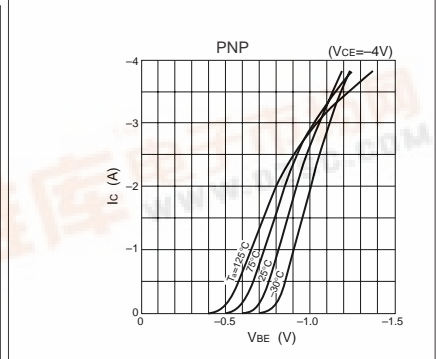
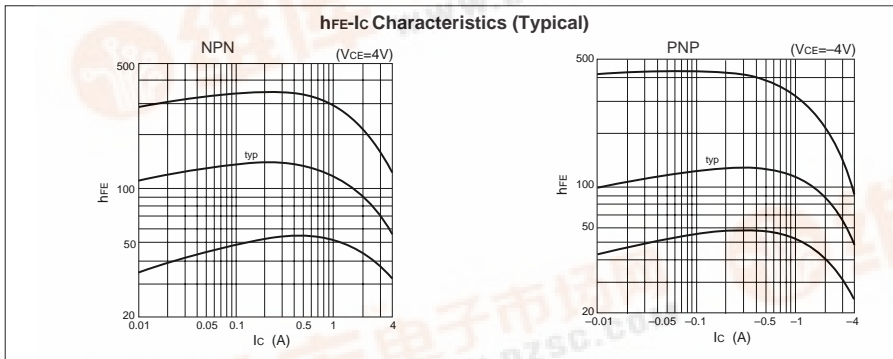
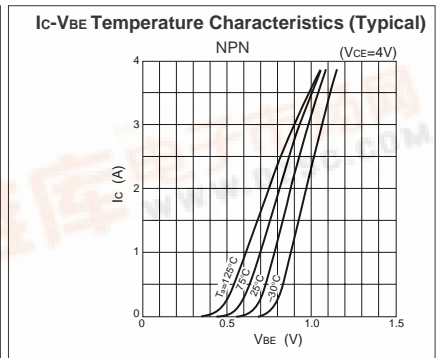
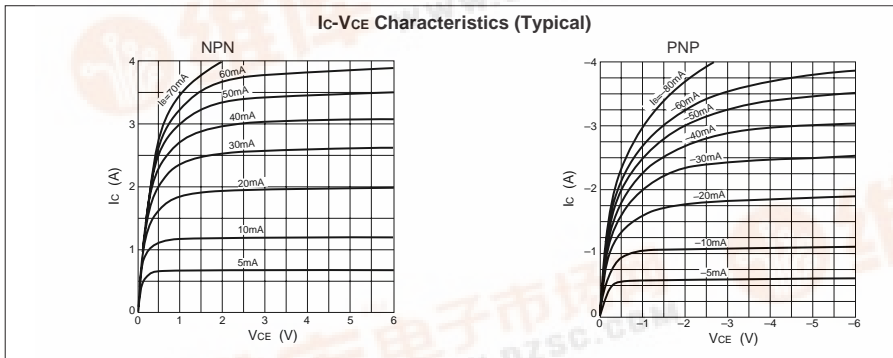
( $T_a=25^\circ\text{C}$ )

Symbol	Ratings		Unit
	NPN	PNP	
$V_{CBO}$	60	-60	V
$V_{CEO}$	60	-60	V
$V_{EBO}$	6	-6	V
$I_C$	4	-4	A
$I_{CP}$	6 ( $PW \leq 1\text{ms}, D_u \leq 50\%$ )	-6 ( $PW \leq 1\text{ms}, D_u \leq 50\%$ )	A
$I_B$	1	-1	A
$P_T$	5 ( $T_a=25^\circ\text{C}$ )		W
	25 ( $T_c=25^\circ\text{C}$ )		
$V_{ISO}$	1000 (Between fin and lead pin, AC)		$V_{rms}$
$T_j$	150		$^\circ\text{C}$
$T_{stg}$	-40 to +150		$^\circ\text{C}$
$\theta_{j-c}$	5		$^\circ\text{C/W}$

## Equivalent circuit diagram



## Characteristic curves



# SLA4310

## 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	$\mu\text{A}$	$V_{CB}=60\text{V}$			-10	$\mu\text{A}$	$V_{CB}=-60\text{V}$
$I_{EBO}$			10	$\mu\text{A}$	$V_{EB}=6\text{V}$			-10	$\mu\text{A}$	$V_{EB}=-6\text{V}$
$V_{CEO}$	60			V	$I_C=25\text{mA}$	-60			V	$I_C=-25\text{mA}$
$h_{FE}$	80				$V_{CE}=4\text{V}, I_C=1\text{A}$	80				$V_{CE}=-4\text{V}, I_C=-1\text{A}$
$V_{CE(sat)}$			0.6	V	$I_C=2\text{A}, I_B=0.2\text{A}$			-0.6	V	$I_C=-2\text{A}, I_B=-0.2\text{A}$

## Characteristic curves

