

SMA6511

维库电子市场网

PNP + NPN Darlington
Stepper motor driver with
dual supply voltage switch

捷多邦, 专业PCB打样工厂, 24小时加急出货

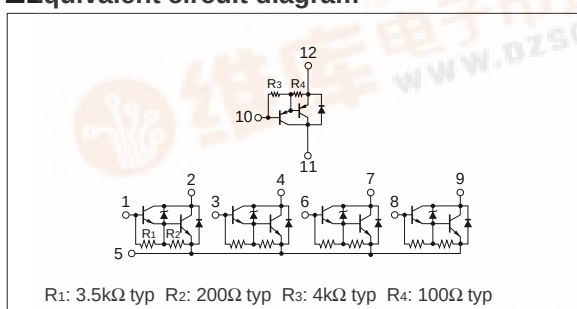
External dimensions **B** ... SMA

Absolute maximum ratings

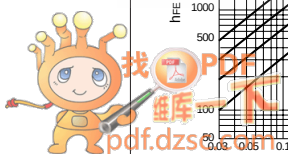
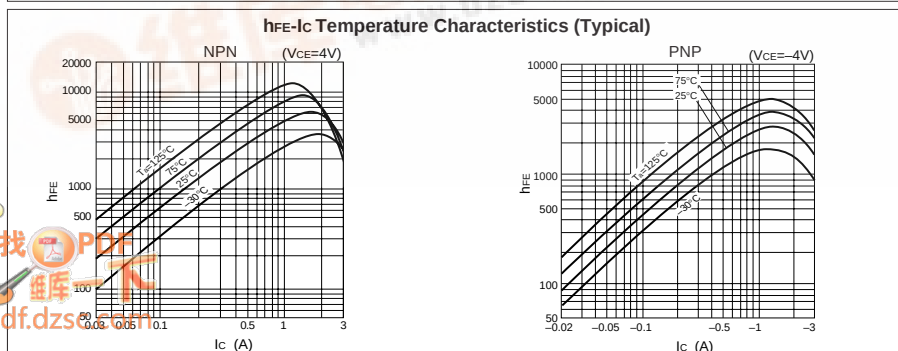
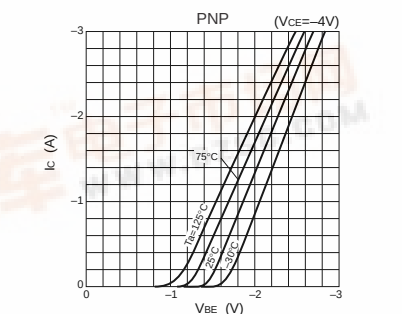
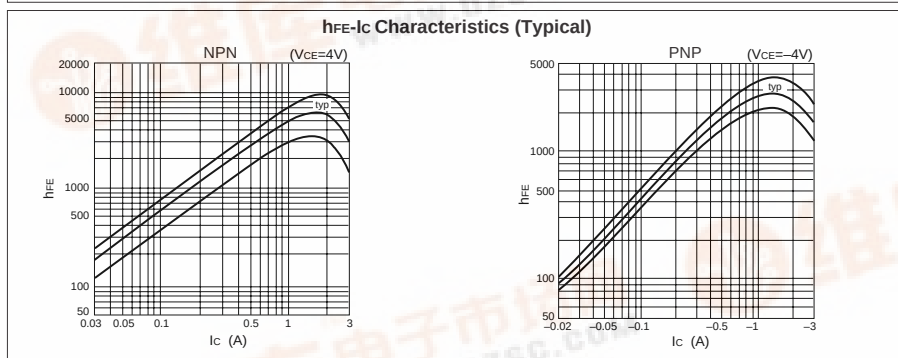
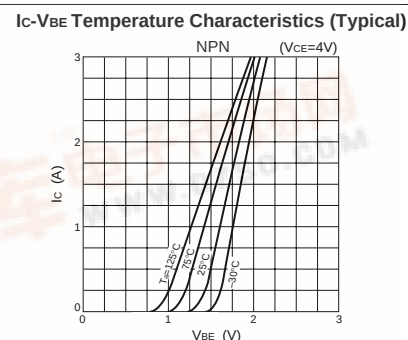
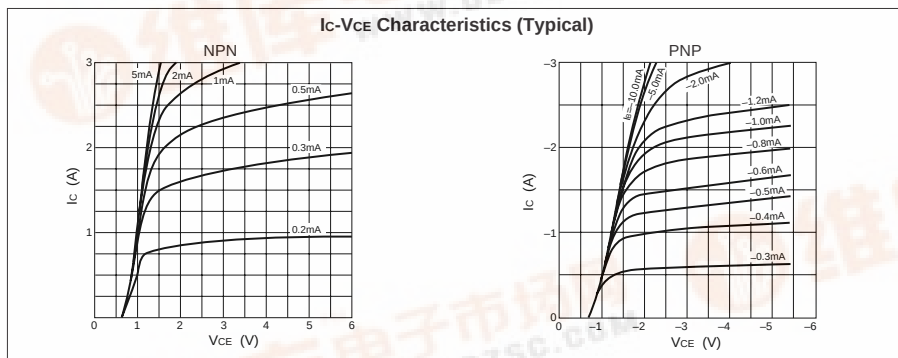
(Ta=25°C)

Symbol	Ratings		Unit
	NPN	PNP	
V _{CBO}	100±15	-60	V
V _{CEO}	100±15	-60	V
V _{EBO}	6	-6	V
I _{CP}	1.5	-3	A
I _B	0.5	-0.5	A
P _T	4 (Ta=25°C) 20 (Tc=25°C)		W
T _j	150		°C
T _{stg}	-40 to +150		°C

Equivalent circuit diagram



Characteristic curves



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Electrical characteristics

(Ta=25°C)

Symbol	NPN					PNP				
	Specification			Unit	Conditions	Specification			Unit	Conditions
	min	typ	max			min	typ	max		
ICBO			10	μA	$V_{CB}=85\text{V}$			-10	μA	$V_{CB}=-60\text{V}$
IEBO			5	mA	$V_{EB}=6\text{V}$			-10	mA	$V_{EB}=-6\text{V}$
VCEO	85	100	115	V	$I_C=10\text{mA}$	-60			V	$I_C=-10\text{mA}$
hFE	2000				$V_{CE}=4\text{V}, I_C=1\text{A}$	2000				$V_{CE}=-4\text{V}, I_C=-1\text{A}$
VCE(sat)			1.5	V	$I_C=1\text{A}, I_B=2\text{mA}$			-1.5	V	$I_C=-1\text{A}, I_B=-2\text{mA}$

Characteristic curves

