

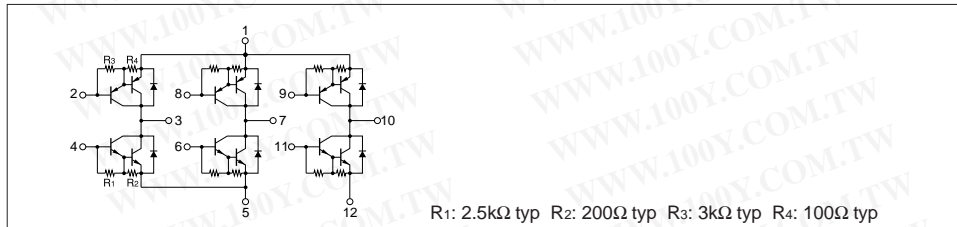
Absolute maximum ratings

(Ta=25°C)

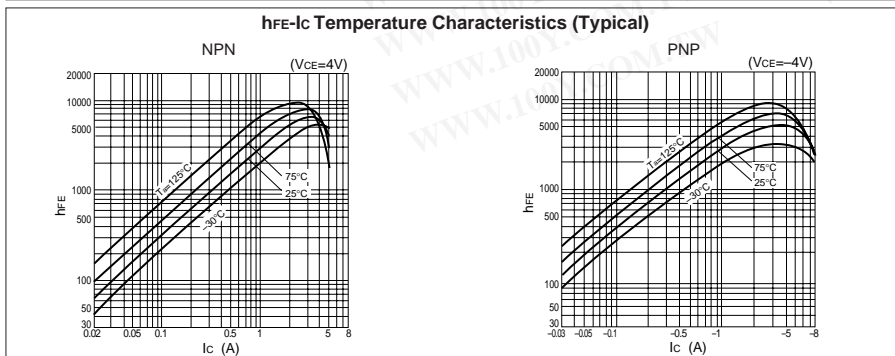
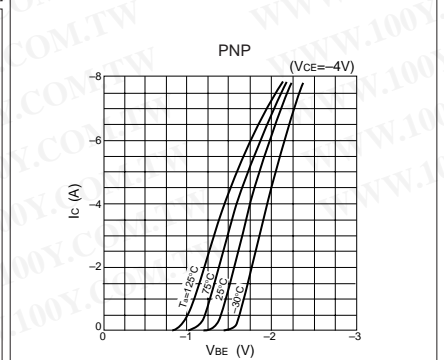
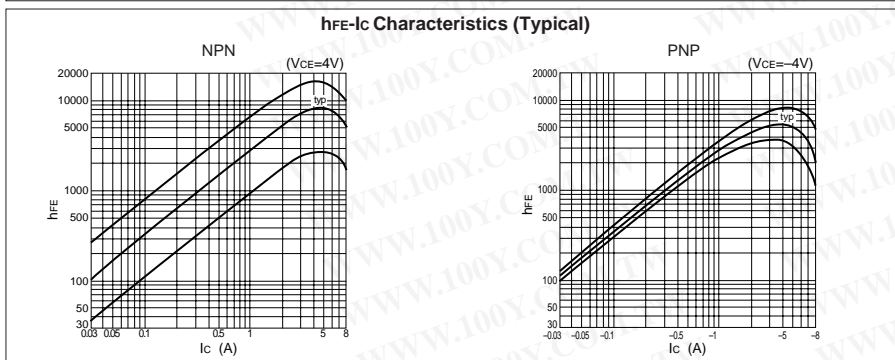
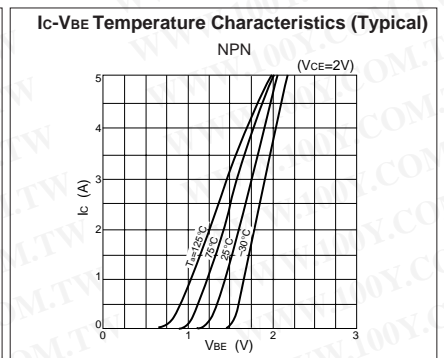
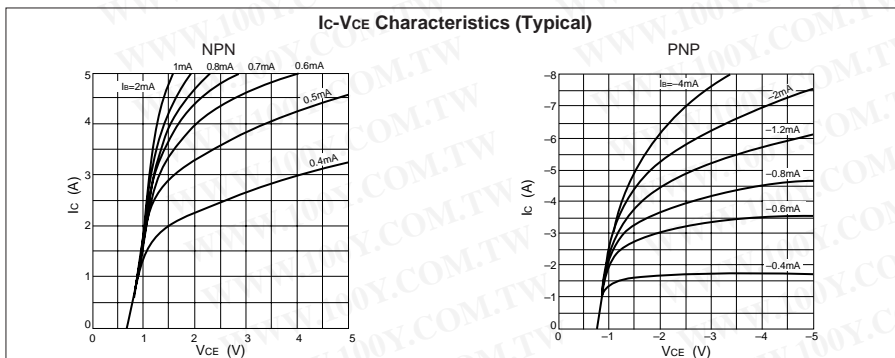
Symbol	Ratings		Unit
	NPN	PNP	
V _{CB0}	100	-100	V
V _{CEO}	100	-100	V
V _{EBO}	6	-6	V
I _c	5	-5	A
I _{cP}	8 (PW≤1ms, Du≤50%)	-8 (PW≤1ms, Du≤50%)	A
I _B	0.5	-0.5	A
P _T	5 (Ta=25°C)		W
	25 (Tc=25°C)		
V _{ISO}	1000 (Between fin and lead pin, AC)		V _{rms}
T _j	150		°C
T _{stg}	-40 to +150		°C
θ _{j-c}	5		°C/W

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Equivalent circuit diagram



Characteristic curves



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} =100V			-10	μA	V _{CB} =-100V
IEBO			10	mA	V _{EB} =6V			-10	mA	V _{EB} =-6V
V _{CEO}	100			V	I _C =10mA	-100			V	I _C =-10mA
h _{FE}	2000				V _{CE} =4V, I _C =3A	2000				V _{CE} =-4V, I _C =-3A
V _{CE(sat)}			1.5	V	I _C =3A, I _B =6mA			-1.5	V	I _C =-3A, I _B =-6mA

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Characteristic curves

