

STA404A

查询9TA404A供应商

NPN Darlington

捷多邦, 专业PCB打样工厂, 24小时加急出货

General purpose

External dimensions  STA400

Absolute maximum ratings

(Ta=25°C)

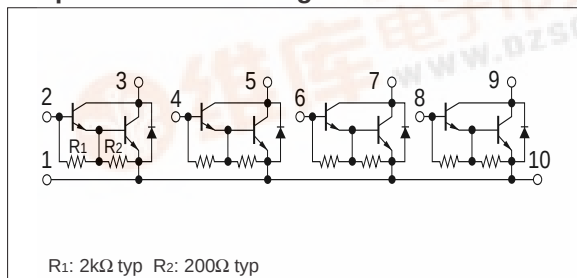
Symbol	Ratings	Unit
V _{CB0}	200	V
V _{CEO}	200	V
V _{EBO}	6	V
I _C	3	A
I _{CP}	6 (PW≤10ms, Du≤50%)	A
P _T	4 (Ta=25°C) 20 (Tc=25°C)	W
T _j	150	°C
T _{stg}	-40 to +150	°C

Electrical characteristics

(Ta=25°C)

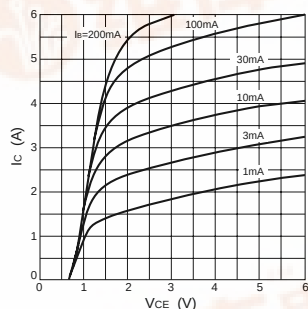
Symbol	Specification			Unit	Conditions
	min	typ	max		
I _{CBO}			100	μA	V _{CB} =200V
I _{EBO}			10	mA	V _{EB} =6V
V _{CEO}	200			V	I _C =10mA
h _{FE}	1000				V _{CE} =4V, I _C =1A
V _{CE(sat)}			2.0	V	I _C =1A, I _B =1.5mA

Equivalent circuit diagram

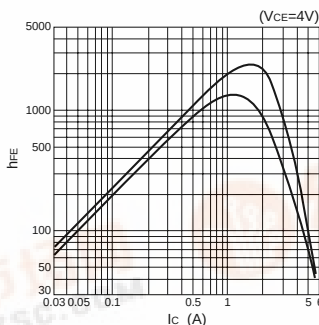


Characteristic curves

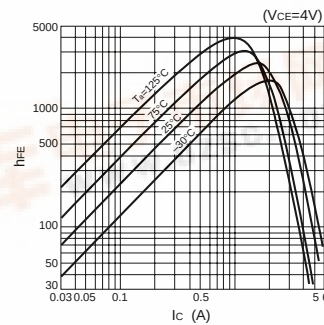
I_C-V_{CE} Characteristics (Typical)



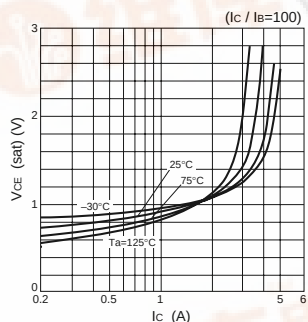
h_{FE}-I_C Characteristics (Typical)



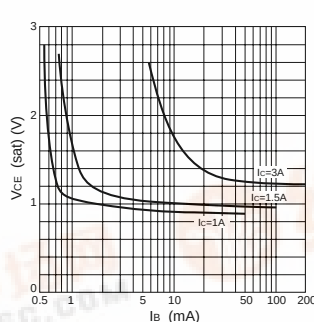
h_{FE}-I_C Temperature Characteristics (Typical)



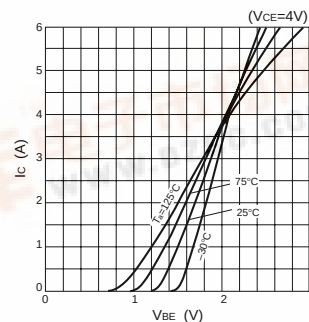
V_{CE(sat)}-I_C Temperature Characteristics (Typical)



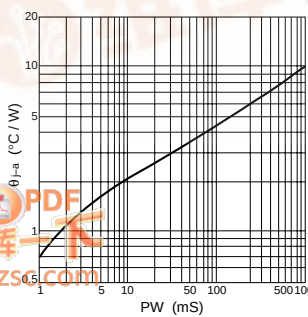
V_{CE(sat)}-I_B Characteristics (Typical)



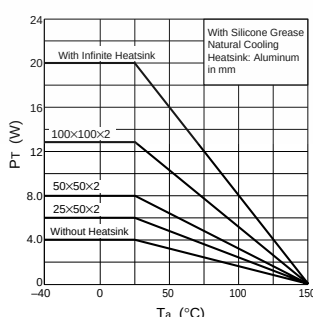
I_C-V_{BE} Temperature Characteristics (Typical)



θ_{JA}-P_W Characteristics



P_T-T_a Characteristics



Safe Operating Area (SOA)

