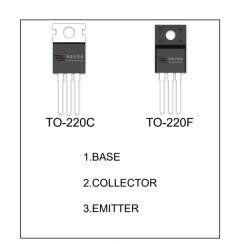


2SB1568 TRANSISTOR (PNP)

FEATURES

- Available inTO-220CF package
- Darling connection provides high dc current gain (h_{FE})
- Damper diode is incorporated
- Built in resistors between base and emitter
- Power amplifler

MAXIMUM RATINGS (T_a=25℃ unless otherwise noted)



Symbol	Parameter	Value	Unit
V _{CBO}	Collector-Base Voltage	-80	V
V _{CEO}	Collector-Emitter Voltage	-80	V
V _{EBO}	Emitter-Base Voltage	-7	V
Ic	Collector Current	-4	Α
Pc	Collector Power Dissipation	2	W
R _{θJA}	Thermal Resistance from Junction to Ambient	62.5	°C/W
T _J ,T _{stg}	Operation Junction and Storage Temperature Range	-55~+150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Collector-base breakdown voltag	V _{(BR)CBO}	I _C =-50μA, I _E =0	-80			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	$I_C=-1$ mA, $I_B=0$	-80			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I_E =-5m A, I_C =0	-7			V
Collector cut-off current	I _{CBO}	V _{CB} =-80V,I _E =0			-100	μΑ
Collector cut-off current	I _{CEO}	V _{CE} =-80V,I _B =0			-100	μΑ
Emitter cut-off current	I _{EBO}	V _{EB} =-5V,I _C =0			-3	mA
DC ourrent gain	h _{FE(1)} *	V _{CE} =-4V, I _C =-3A	1000		10000	
DC current gain	h _{FE(2)} *	V _{CE} =-3V, I _C =-2A	1000		10000	
Collector-emitter saturation voltage	V _{CE(sat} *	I_C =-2A, I_B =-4mA			-1.5	V
Conector-enlitter saturation voltage		I _C =-3A,I _B =-12mA			-1.5	V
Collector output capacitance	Cob	V _{CB} =-10V,I _E =0, f=1MHz		55		pF
Transition frequency	f _T	V _{CE} =-5V,I _C =-1A,		15		MHz

^{*}Pulse test: pulse width ≤300µs, duty cycle≤ 2.0%.



