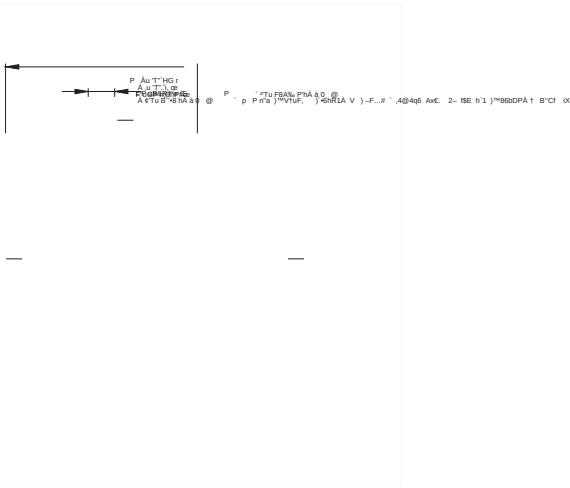
High voltage: V_{CEO} = -50 V

(min) Small package

Complementary to 2SC3325



Parameter	Symbol	Rating	Unit
Collector-base voltage	V_{CBO}	-50	V
Collector-emitter voltage	V_{CEO}	-50	V
Emitter-base voltage	V_{EBO}	-5	V
Collector current	I_C	-500	mA
Base current	I_B	-50	mA
Collector power dissipation	P_C	200	mW
Junction temperature	T_j	150	℃
Storage temperature	T_{stg}	-55 to +150	℃

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V_{CBO}	I_C= -100uA˜ I_E=0	-50			V
Collector- emitter breakdown voltage	V_{CEO}	I_C= -1 mA˜ I_B=0	-50			
Emitter - base breakdown voltage	V_{EBO}	I_E= -100uA˜ I_C=0	-5			
Collector-base cut-off current	I_{CBO}	V_{CB}= -50 V , I_E=0			-0.1	uA
Emitter cut-off current	I_{EBO}	V_{EB}= -5V , I_C=0			-0.1	
Collector-emitter saturation voltage	$V_{CE(sat)}$	I_C=-100 mA, I_B=-10mA			-0.25	V
Base-emitter saturation voltage	$V_{CB(sat)}$	I_C=-100 mA, I_B=-10mA			-1.2	
Base - emitter voltage	V_{BE}	V_{CE}=-1V, I_C= -100 mA			-1	
DC current gain	$h_{FE(1)}$	V_{CE}= -1V, I_C= -100mA	70		240	
	$h_{FE(2)}$	V_{CE}=- 1V, I_C= -800mA O	25			
		Y	40			
Collector output capacitance	C_{ob}	V_{CB}= -6V, I_E= 0,f=1MHz		13		pF
Transition frequency	f_T	V_{CE}= -6V, I_C= -20mA		200		MHz

dz Classification of $h_{fe(1)}$

Type	2SA1313-O	2SA1313-Y
Range	70-140	120-240
Marking	ACO	ACY

dz Typical Characterisitics