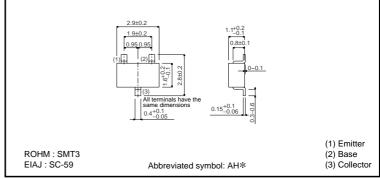
Low Frequency Transistor (–32V, –0.8A) 2SB1197K

Features

1) Low VCE(sat). $V_{CE(sat)} \leq -0.5V$ $(I_C / I_B = -0.5A / -50mA)$ 2) Ic = -0.8A. 3) Complements the 2SD1781K.

•External dimensions (Unit : mm)



* Denotes hre

•Structure Epitaxial planar type

PNP silicon transistor

Parameter	Symbol	Limits	Unit			
Collector-base voltage	Vсво	-40	V			
Collector-emitter voltage	Vceo	-32	V			
Emitter-base voltage	Vево	-5	V			
Collector current	lc	-0.8	A			
Collector power dissipation	Pc	0.2	W			
Junction temperature	Tj	150	°C			
Storage temperature	Tstg	-55 to 150	°C			

●Electrical characteristics (Ta=25°C)

●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Collector-base breakdown voltage	ВУсво	-40	-	-	V	Ic=-50μA
Collector-emitter breakdown voltage	BVCEO	-32	-	-	V	Ic=-1mA
Emitter-base breakdown voltage	ВУево	-5	-	-	V	Iε= -50μA
Collector cutoff current	Ісво	-	-	-0.5	μΑ	Vcb=-20V
Emitter cutoff current	Іево	-	-	-0.5	μΑ	VEB=-4V
Collector-emitter saturation voltage	VCE(sat)	_	_	-0.5	V	Ic/I _B = -0.5A/ -50mA
DC current transfer ratio	hfe	120	-	390	-	Vce=-3V, Ic=-100mA
Transition frequency	fт	_	200	_	MHz	Vce= –5V, Ie=50mA, f=100MHz
Output capacitance	Cob	_	12	30	pF	Vcb=-10V, Ie=0A, f=1MHz



1/2

Transistors

2SB1197K

Packaging specifications and hre

		Package	Taping
		Code	T146
Туре	hfe	Basic ordering unit (pieces)	3000
2SB1197K	QR		0

hre values are classified as follows :

Item	Q	R
hfe	120 to 270	180 to 390

COLLECTOR CURRENT : Ic (A)

Fig.5

Collector-emitter saturation

voltage vs. collector current

•Electrical characteristic curves

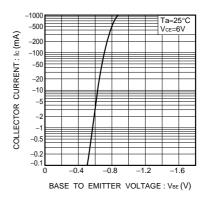
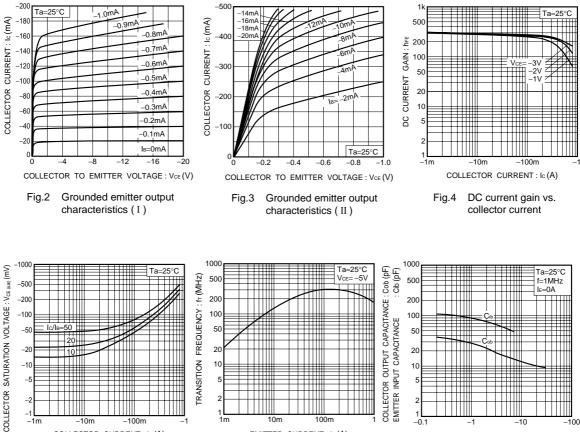
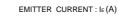
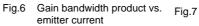
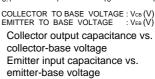


Fig.1 Grounded emitter propagation characteristics









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