Power Transistor (-50V, -3A) 2SA1797

Features

1) Low saturation voltage.

- VCE (sat) = -0.35V (Max.) at Ic / IB = -1A / -50mA.
- 2) Excellent DC current gain characteristics.
- 3) Complements the 2SC4672.

Packaging specifications

Туре	2SA1797
Package	MPT3
hfe	PQ
Marking	AG *
Code	T100
Basic ordering unit (pieces)	1000
*Dopotoo has	

*Denotes hre

•Absolute maximum ratings (Ta=25°C)

Parameter		Symbol	Limits	Unit			
Collector-base v	oltage	Vсво	-50	V			
Collector-emitter	voltage	Vceo	-50	V			
Emitter-base vol	tage	Vebo	-6	V			
Collector current		1-	-3	A (DC)			
		lc	-6	A (Pulse) *1			
Collector power dissipation	2SA1797	Pc	0.5	w			
			2	vv *2			
Junction tempera	ature	Tj	150	°C			
Storage tempera	iture	Tstg	-55~+150	°C			

*1 Single pulse, Pw=10ms

*2 When mounted on a $40 \times 40 \times 0.7$ mm ceramic board.

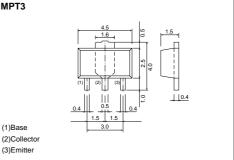
•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions	
Collector-base breakdown voltage	ВУсво	-50	-	-	V	Ic=-50μA	
Collector-emitter breakdown voltage	BVCEO	-50	-	-	V	Ic=-1mA	
Emitter-base breakdown voltage	ВVево	-6	-	-	V	Ιε=-50μΑ	
Collector cutoff current	Ісво	-	-	-0.1	μA	Vcb=-50V	
Emitter cutoff current	Іево	-	-	-0.1	μA	Veb=-5V	
Collector-emitter saturation voltage	VCE(sat)	-	-0.15	-0.35	V	Ic/Iв=-1А/-50mА	*
DC current transfer ratio	hfe	82	-	270	-	Vce/Ic=-2V/-0.5A	
Transition frequency	fт	-	200	-	MHz	Vce=-2V, Ie=0.5A, f=100MHz	*
Output capacitance	Cob	-	36	-	pF	Vcb=-10V, Ie=0A, f=1MHz	

* Measured using pulse current

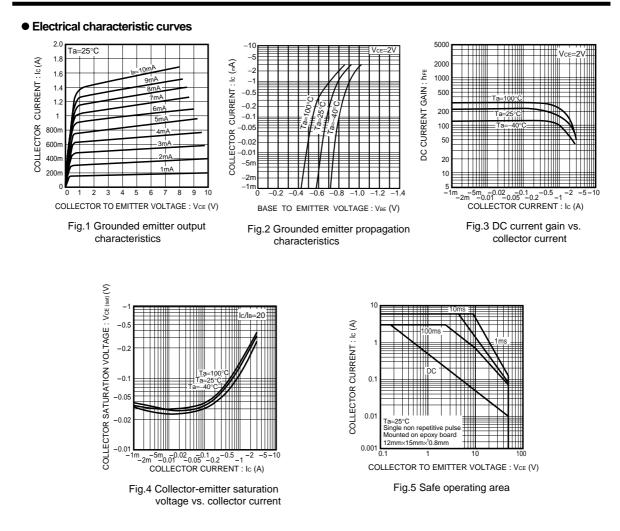
МРТ3

•External dimensions (Unit : mm)



ROHM

Transistors





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