



Micro Commercial Components



Micro Commercial Components
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2SA1797-P 2SA1797-Q

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Complements to 2SC4672
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	-50	V
V _{CBO}	Collector-Base Voltage	-50	V
V _{EBO}	Emitter-Base Voltage	-6.0	V
I _C	Collector Current	-2.0	A
P _C	Collector power dissipation	500	W
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ.	Max	Units
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OFF CHARACTERISTICS

V _{(BR)CBO}	Collector-Emitter Breakdown Voltage (I _C =-50uAdc, I _E =0)	-50	---	---	Vdc
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =-1mAdc, I _B =0)	-50	---	---	Vdc
V _{(BR)EBO}	Collector-Emitter Breakdown Voltage (I _E =-50uAdc, I _C =0)	-6	---	---	Vdc
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =-50Vdc, I _E =0)	---	---	-0.1	uAdc
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =-5.0Vdc, I _C =0)	---	---	-0.1	uAdc

ON CHARACTERISTICS

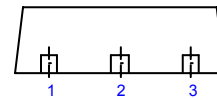
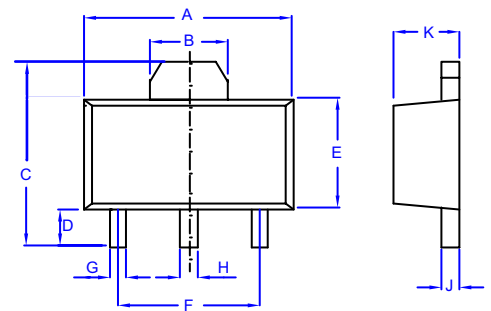
h _{FE}	Forward Current Transfer ratio (I _C =-0.5Adc, V _{CE} =-2.0Vdc)	82	---	270	---
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-1.0Adc, I _B =-50mAdc)	---	---	-0.35	Vdc
f _T	Transition Frequency (I _C =-0.5Adc, V _{CE} =-2.0Vdc, f=100MHz)	---	200	---	MHz
C _{ob}	Collector Output Capacitance (V _{CB} =-10V, I _E =0, f=1MHz)	---	36	---	pF

CLASSIFICATION OF H_{FE}(1)

Rank	P	Q
Range	82-180	120-270
Marking	AGP	AGQ

PNP Silicon Power Transistors

SOT-89



1.BASE
2.COLLECTOR
3.EMITTER

DIM	DIMENSINS				NOTES
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.173	.181	4.39	4.60	
B	.063	.071	1.60	1.80	
C	.154	.165	3.91	4.25	
D	.031	.039	0.80	1.00	
E	.092	.100	2.34	2.54	
F	.118	-----	3.00	-----	TYP
G	.013	.019	0.33	0.48	
H	.015	.021	0.38	0.53	
J	.015	.016	0.38	0.41	
K	.055	.063	1.40	1.60	



TM

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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel; 1Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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