



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 <sub>CEO</sub>	Collector-Emitter Voltage	-50	V
V <sub>CBO</sub>	Collector-Base Voltage	-50	V
V <sub>EBO</sub>	Emitter-Base Voltage	-6.0	V
I <sub>C</sub>	Collector Current	-2.0	A
P <sub>C</sub>	Collector power dissipation	500	mW
T <sub>J</sub>	Junction Temperature	150	°C
T <sub>STG</sub>	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 <sub>(BR)CBO</sub>	Collector-Emitter Breakdown Voltage (I <sub>C</sub> =-50uAdc, I <sub>E</sub> =0)	-50	---	---	Vdc
V <sub>(BR)CEO</sub>	Collector-Emitter Breakdown Voltage (I <sub>C</sub> =-1mAdc, I <sub>B</sub> =0)	-50	---	---	Vdc
V <sub>(BR)EBO</sub>	Collector-Emitter Breakdown Voltage (I <sub>E</sub> =-50uAdc, I <sub>C</sub> =0)	-6	---	---	Vdc
I <sub>CBO</sub>	Collector-Base Cutoff Current (V <sub>CB</sub> =-50Vdc, I <sub>E</sub> =0)	---	---	-0.1	uAdc
I <sub>EBO</sub>	Emitter-Base Cutoff Current (V <sub>EB</sub> =-5.0Vdc, I <sub>C</sub> =0)	---	---	-0.1	uAdc

#### ON CHARACTERISTICS

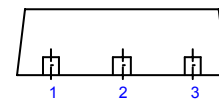
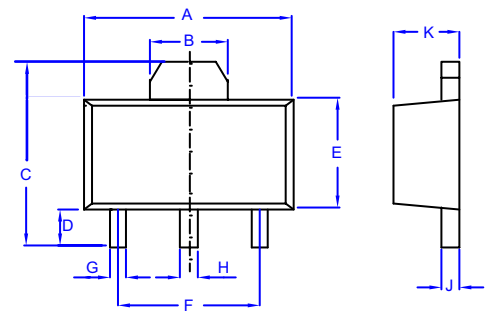
h <sub>FE</sub>	Forward Current Transfer ratio (I <sub>C</sub> =-0.5Adc, V <sub>CE</sub> =-2.0Vdc)	82	---	270	---
V <sub>CE(sat)</sub>	Collector-Emitter Saturation Voltage (I <sub>C</sub> =-1.0Adc, I <sub>B</sub> =-50mAdc)	---	---	-0.35	Vdc
f <sub>T</sub>	Transition Frequency (I <sub>C</sub> =-0.5Adc, V <sub>CE</sub> =-2.0Vdc, f=100MHz)	---	200	---	MHz
C <sub>ob</sub>	Collector Output Capacitance (V <sub>CB</sub> =-10V, I <sub>E</sub> =0, f=1MHz)	---	36	---	pF

#### CLASSIFICATION OF H<sub>FE</sub>(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	



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### Ordering Information :

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

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

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