



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	mW
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 ($I_C = -50\mu A$, $I_E = 0$)	-50	---	---	Vdc
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage ($I_C = -1mA$, $I_B = 0$)	-50	---	---	Vdc
$V_{(BR)EBO}$	Collector-Emitter Breakdown Voltage ($I_E = -50\mu A$, $I_C = 0$)	-6	---	---	Vdc
I_{CBO}	Collector-Base Cutoff Current ($V_{CB} = -50V$, $I_E = 0$)	---	---	-0.1	μA
I_{EBO}	Emitter-Base Cutoff Current ($V_{EB} = -5.0V$, $I_C = 0$)	---	---	-0.1	μA

ON CHARACTERISTICS

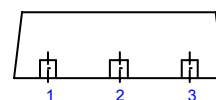
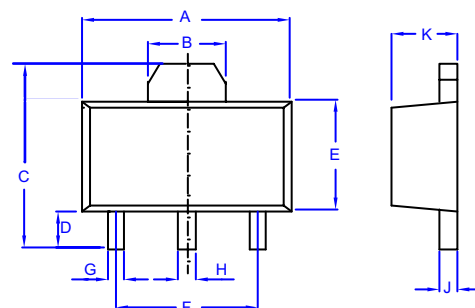
h_{FE}	Forward Current Transfer ratio ($I_C = -0.5A$, $V_{CE} = -2.0V$)	82	---	270	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage ($I_C = -1.0A$, $I_B = -50mA$)	---	---	-0.35	Vdc
f_T	Transition Frequency ($I_C = -0.5A$, $V_{CE} = -2.0V$, $f = 100MHz$)	---	200	---	MHz
C_{ob}	Collector Output Capacitance ($V_{CB} = -10V$, $I_E = 0$, $f = 1MHz$)	---	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

DIMENSINS					
DIM	INCHES		MM		NOTES
	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	

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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