



Micro Commercial Components

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 20736 Marilla Street Chatsworth
 CA 91311
 Phone: (818) 701-4933
 Fax: (818) 701-4939

2SB1197
2SB1197-P
2SB1197-Q
2SB1197-R

Features

- Small Package
- Mounting: any position
- ROHS Compliant
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0 and MSL Rating 1

**PNP Silicon
 Epitaxial Transistors**

Maximum Ratings @ T_a = 25°C (unless otherwise noted)

Symbol	Parameter	Value	Unit
I _C	Collector Current	-0.8	A
P _D	Total Device Dissipation	0.2	W
T _J	Junction Temperature	150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Max	Units
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OFF CHARACTERISTICS

V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _C =-1mA, I _B =0)	-32		V
V _{(BR)CBO}	Collector-Base Breakdown Voltage (I _C =-50uA, I _E =0)	-40		V
V _{(BR)EBO}	Collector-Base Breakdown Voltage (I _E =-50uA, I _C =0)	-5.0		V
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =-20V, I _E =0)		-0.5	μA
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =-4.0V, I _C =0)		-0.5	uA

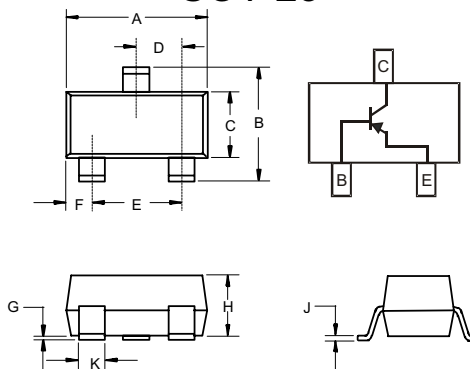
ON CHARACTERISTICS

h _{FE}	DC Current Gain (I _C =-100mA, V _{CE} =-3.0V)	82	390	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _C =-500mA, I _B =-50mA)		-0.5	V
f _T	Transition Frequency (V _{CE} =-5V, I _C =-50mA, f=100MHz)	50		MHz

CLASSIFICATION OF h_{FE}

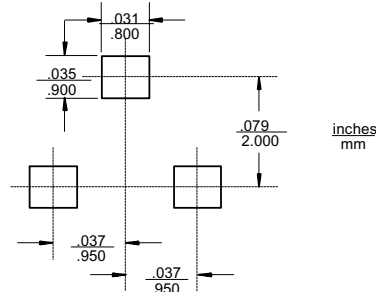
Rank	P	Q	R
Range	82-180	120-270	180-390
Marking	AHP	AHQ	AHR

SOT-23



DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.110	.120	2.80	3.04	
B	.083	.098	2.10	2.64	
C	.047	.055	1.20	1.40	
D	.035	.041	.89	1.03	
E	.070	.081	1.78	2.05	
F	.018	.024	.45	.60	
G	.0005	.0039	.013	.100	
H	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout





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Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;3Kpcs/Reel

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