

Micro Commercial Components



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

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Small Package
- Mounting:any position
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Halogen free available upon request by adding suffix "-HF"

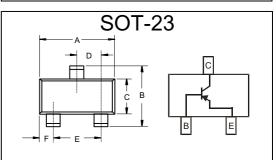
Maximum Ratings @ $T_a = 25$ °C (unless otherwise noted)			
Symbol	Parameter	Value	Unit
Ι _C	Collector Current	-0.8	А
P _D	Total Device Dissipation	0.2	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature Range	-55 to +150	°C

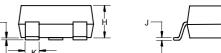
Symbol	Parameter	Min	Max	Units
OFF CHAR	ACTERISTICS			
V(br)CEO	Collector-Emitter Breakdov (I _c =-1mAdc,I _B =0)	wn Voltage -32		V
V(br)CBO	Collector-Base Breakdown (I _c =-50uAdc,I _E =0)	-40		V
V(br)EBO	Collector-Base Breakdown (I _E =-50uAdc,I _C =0)	Voltage -5.0		V
I _{CBO}	Collector-Base Cutoff Curr (V _{CB} =-20Vdc, I _E =0)	ent	-0.5	µAdc
I _{EBO}	Emitter-Base Cutoff Currer (V _{EB} =-4.0Vdc, I _C =0)	nt	-0.5	uAdc
ON CHARA	CTERISTICS			
hfe	DC Current Gain (I _c =-100mAdc, V _{ce} =-3.0Vd	lc) 82	390	
V _{CE(sat)}	Collector-Emitter Saturatio (I _c =-500mAdc, I _B =-50mA	0	-0.5	Vdc
f⊤	Transition Frequency (VCE=-5Vdc,IC=-50mAdc,	f=100MHZ) 50		MHZ
CLASSIFIC	ATION OF h fe			
Rank	Р	0	Р	

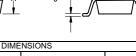
Rank	Р	Q	R
Range	82-180	120-270	180-390
Marking	AHP	AHQ	AHR

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

PNP Silicon Epitaxial Transistors







	INCHE	ES	N	IM	
DIM	MIN	MAX	MIN	MAX	NOTE
А	.110	.120	2.80	3.04	
В	.083	.104	2.10	2.64	
С	.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	
Н	.035	.044	.89	1.12	
J	.003	.007	.085	.180	
K	.015	.020	.37	.51	

Suggested Solder Pad Layout

www.mccsemi.com

Revision: B



Ordering Information :

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

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

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