

Micro Commercial Components



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

Features

- Halogen free available upon request by adding suffix "-HF" Lead Free Finish/RoHS Compliant ("P" Suffix designates
- RoHS Compliant. See ordering information) Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Low Collector Saturation Voltage
- Execllent current-to-gain characteristics
- Maximum Thermal Resistance: 125°C/W Junction to Ambient

Maximum Ratings

Symbol	Rating	Rating	Unit
V _{CEO}	Collector-Emitter Voltage	-50	V
V _{CBO}	Collector-Base Voltage	-60	V
V _{EBO}	Emitter-Base Voltage	-5.0	V
I _C	Collector Current	-3.0	А
Pc	Collector power dissipation	1.0	W
TJ	Junction Temperature	150	°C
T _{STG}	Storage Temperature	-55 to +150 °C	

Electrical Characteristics @ 25 $^{\circ}$ C Unless Otherwise Specified

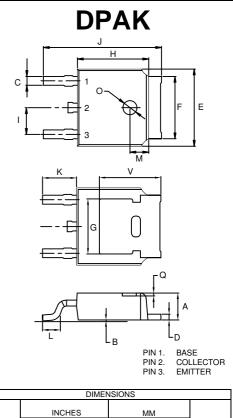
Symbol	Parameter	Min	Тур	Max	Units
V _{(BR)CBO}	Collector-base Breakdown Voltage (I _c =-50uAdc, I _E =0)				Vdc
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage (I _c =-1mAdc, I _B =0)	-50			Vdc
V _{(BR)EBO}	Emitter-base Breakdown Voltage (I _E =-50uAdc, I _C =0)				Vdc
I _{CBO}	Collector-Base Cutoff Current (V _{CB} =-40Vdc,I _E =0)			-1.0	uAdc
I _{EBO}	Emitter-Base Cutoff Current (V _{EB} =-4Vdc, I _C =0)			-1.0	uAdc
h _{FE(1)}	DC Current Gain (I _c =-0.5Adc, V _{cE} =-3.0Vdc)			390	
V _{CE(sat)}	Collector-Emitter Saturation Voltage (I _c =-2Adc, I _B =-200mAdc)			-1.0	Vdc
f _T	Transition Frequency (V _{CE} =-5Vdc, I _C =-500mAdc,f=30MHz)		70		MHz
C _{ob}	Collector output capacitance (V _{CB} =-10Vdc, I _E =0,f=1.0MHz)		50		pF

CLASSIFICATION OF HFE (1)

Rank	Р	Q	R
Range	82-180	120-270	180-390

2SB1184-P 2SB1184-Q 2SB1184-R

PNP Silicon Epitaxial Transistors



	INC	HES	MM		
DIM	MIN	MAX	MIN	MAX	NOTE
A	0.087	0.094	2.20	2.40	
В	0.000	0.005	0.00	0.13	
С	0.026	0.034	0.66	0.86	
D	0.018	0.023	0.46	0.58	
E	0.256	0.264	6.50	6.70	
F	0.201	0.215	5.10	5.46	
G	0.190		4.83		
Н	0.236	0.244	6.00	6.20	
	0.086	0.094	2.18	2.39	
J	0.386	0.409	9.80	10.40	
K	0.114		2.90		
L	0.055	0.067	1.40	1.70	
М	0.063		1.60		
0	0.043	0.051	1.10	1.30	
Q	0.000	0.012	0.00	0.30	
V	0.2	11	5.	35	

www.mccsemi.com

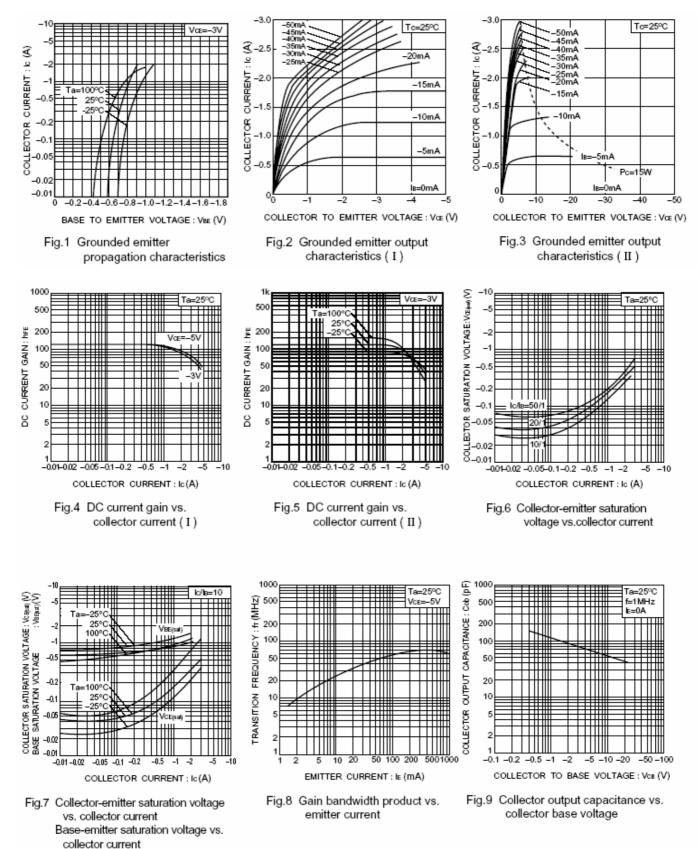
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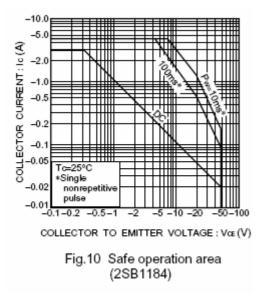
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Ordering Information :

Device	Packing	
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel	

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

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