Micro Commercial Components

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2SB1188-P
2SB1188-Q
2SB1188-R

PNP
Plastic-Encapsulate Transistors

Features

- Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)
- Epoxy meets UL 94 V-0 flammability rating
- Moisure Sensitivity Level 1
- Power dissipation: P_{CM} = 0.5W(T_{amb}=25℃)
- Collector current: I_{CM} = -2A
- Collector-base voltage: $V_{(BR)CBO}$ = -40V
- Operating and storage junction temperature range
  T_J, T_{stg}: -55℃ to + 150℃

Electrical Characteristics @ 25℃ Unless Otherwise Specified

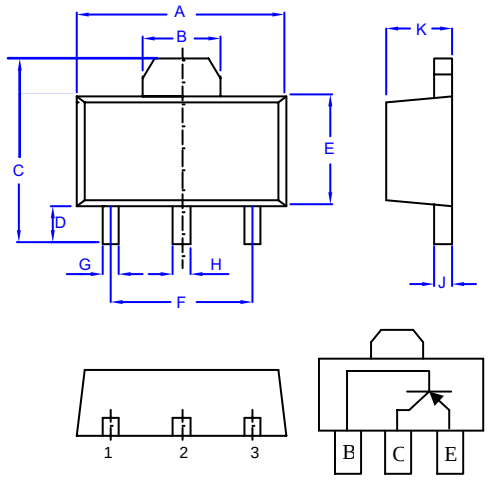
Symbol	Parameter	Min	Typ	Max	Unit
$V_{(BR)CEO}$	Collector-Emitter Breakdown Voltage (I_C=-1mA, I_B=0)	**-32**	**---**	**---**	**V**
$V_{(BR)CBO}$	Collector-Base Breakdown Voltage (I_C=-50 μ A, I_E=0)	-40	**---**	**---**	**V**
$V_{(BR)EBO}$	Emitter-Base Breakdown Voltage (I_E=-50 μ A, I_C=0)	**-5.0**	**---**	**---**	**V**
I_{CBO}	Collector cut-off Current (V_{CB}=-20V, I_E=0)	---	---	-1.0	**uA**
I_{EBO}	Emitter cut-off Current (V_{EB}=-4V, I_C=0)	---	---	-1.0	**uA**
h_{FE}	DC current gain * (V_{CE}=-3V, I_C=-0.5A)	82	---	390	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage* (I_C=-2A, I_B=-0.2A)	---	---	-0.8	**V**
f_T	Transition Frequency (V_{CE}=-5.0Vdc, I_C=-0.5Adc,F=30MHZ)	**---**	**80**	**---**	**MHZ**
Cob	output capacitance (V_{CB}=-10V, I_E=0, f=1MHz)	---	**---**	**65**	**PF**

*** Measured using pulse current.**

CLASSIFICATION OF h_{FE}

Rank	P	Q	R
Range	82-180	120-270	180-390
Marking	BCP	BCQ	BCR

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	

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Ordering Information :

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

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