Micro Commercial Components

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

2SB1132-P
2SB1132-Q
2SB1132-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
- Halogen free available upon request by adding suffix "-HF"

Maximum Ratings

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	-40	V
V_{CEO}	Collector-Emitter Voltage	-32	V
V_{EBO}	Emitter-Base Voltage	-5	V
I_C	Continuous Collector Current	-1	A
I_{CP}	Pulsed Collector Current (Single pulse, PW=100ms)	-2	A
P_C	Collector Power Dissipation	500	mW
T_j,T_{stg}	Junction and Storage Temperature	-55~150	℃

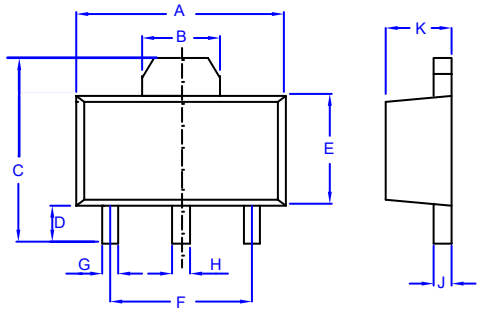
Electrical Characteristics @ 25℃ Unless Otherwise Specified

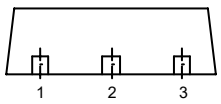
Symbol	Parameter	Min	Typ	Max	Unit
V_{CEO}	Collector-Emitter Voltage (I_C=-1mA, I_B=0)	-32	---	---	V
V_{CBO}	Collector-Base Voltage (I_C=-50μA, I_E=0)	-40	---	---	V
V_{EBO}	Emitter-Base Voltage (I_E=-50μA, I_C=0)	-5.0	---	---	V
I_{CBO}	Collector cut-off Current (V_{CB}=-20V, I_E=0)	---	---	-0.5	μA
I_{EBO}	Emitter cut-off Current (V_{EB}=-4V, I_C=0)	---	---	-0.5	μA
h_{FE}	DC current gain (V_{CE}=-3V, I_C=-0.1A)	82	---	390	---
$V_{CE(sat)}$	Collector-Emitter Saturation Voltage (I_C=-0.5A, I_B=-50mA)	---	-0.2	-0.5	V
f_T	Transition Frequency (V_{CE}=-5V, I_C=-50mA,f=30MHz)	---	150	---	MHz
Cob	Collector output capacitance (V_{CB}=-10V, I_E=0, f=1MHz)	---	20	30	pF

CLASSIFICATION OF h_{FE}

Rank	P	Q	R
Range	82-180	120-270	180-390
Marking	BAP	BAQ	BAR

SOT-89





1.BASE
2.COLLECTOR
3.EMITTER

DIM	DIMENSINS				NOTES
	INCHES		MM		
	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	

Typical Characteristics

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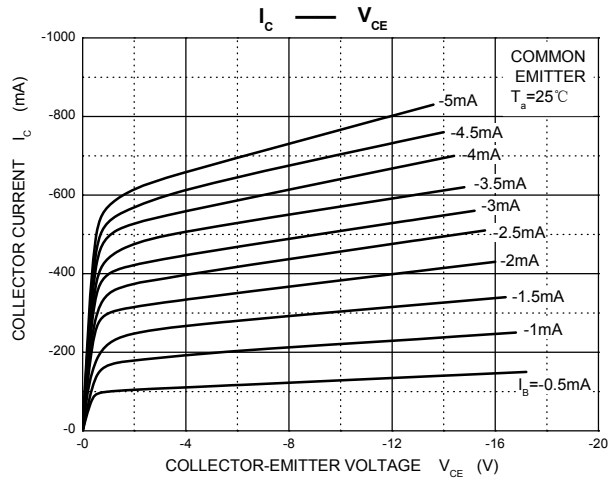

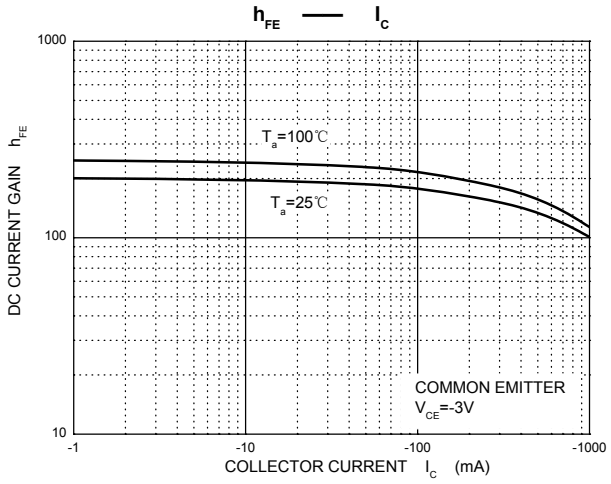

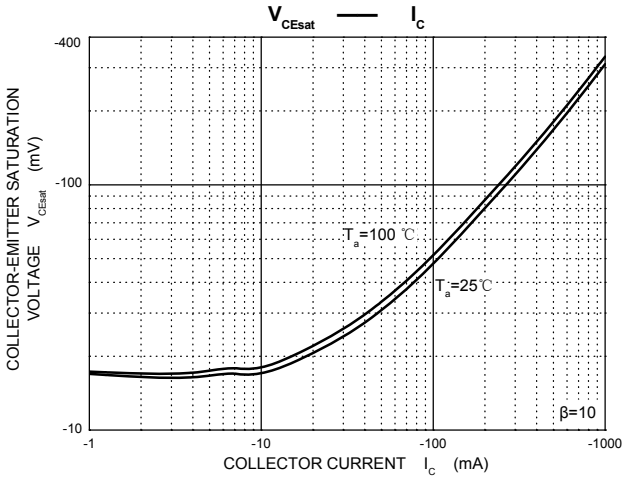

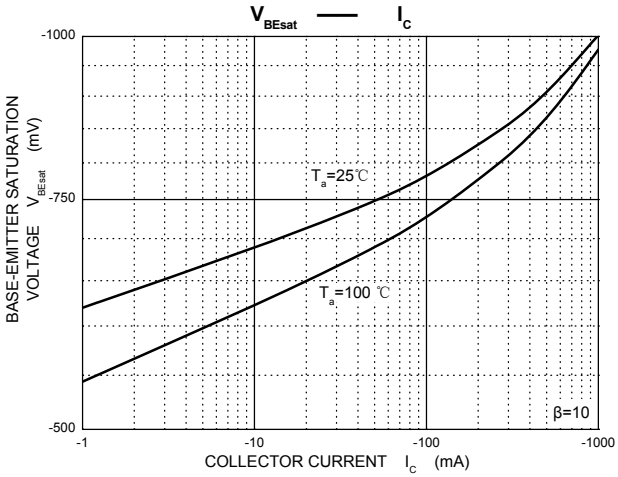

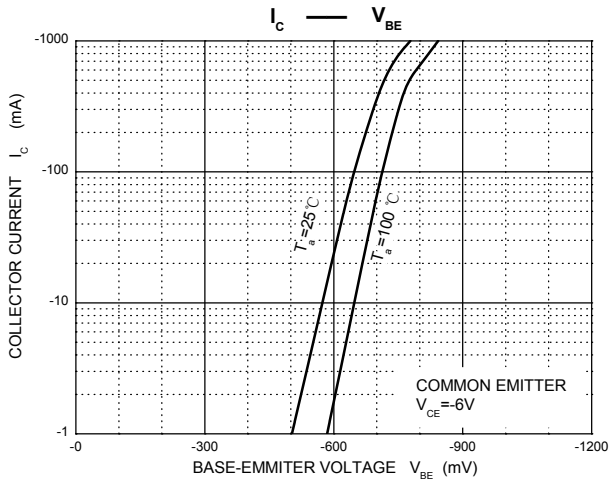

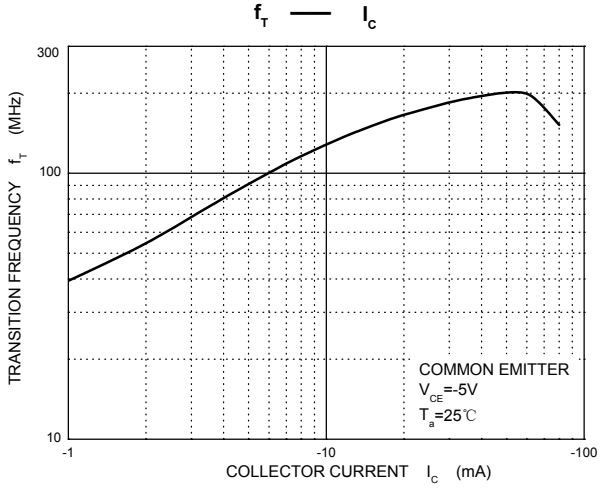

Typical Characteristics

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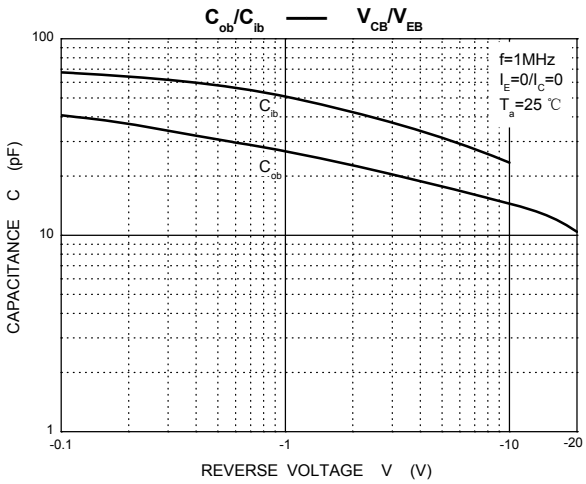

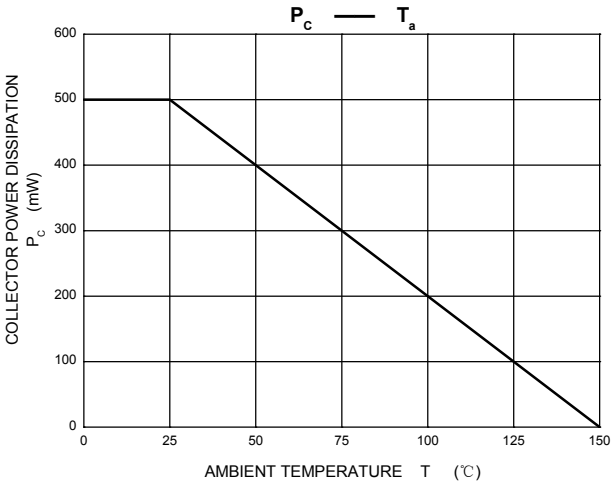

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Ordering Information :

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

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