



Micro Commercial Components



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**2SB1132-P
2SB1132-Q
2SB1132-R**

Features

- 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
- 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	°C

Electrical Characteristics @ 25°C Unless Otherwise Specified

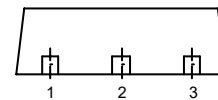
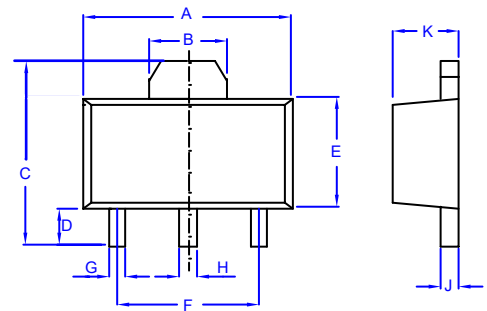
Symbol	Parameter	Min	Typ	Max	Unit
V _{CEO}	Collector-Emitter Voltage (I _C =-1mA, I _B =0)	-32	---	---	V
V _{CBO}	Collector-Base Voltage (I _C =-50μA, I _E =0)	-40	---	---	V
V _{EBO}	Emitter-Base Voltage (I _E =-50μA, I _C =0)	-5.0	---	---	V
I _{CBO}	Collector cut-off Current (V _{CB} =-20V, I _E =0)	---	---	-0.5	μ A
I _{EBO}	Emitter cut-off Current (V _{EB} =-4V, I _C =0)	---	---	-0.5	μ A
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
C _{ob}	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

**PNP
Plastic-Encapsulate
Transistors**

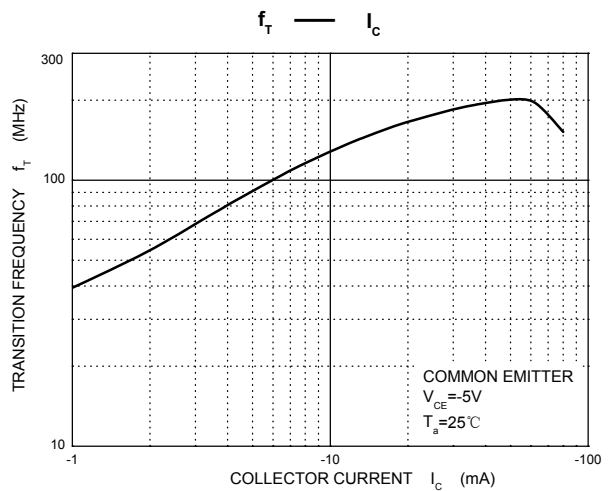
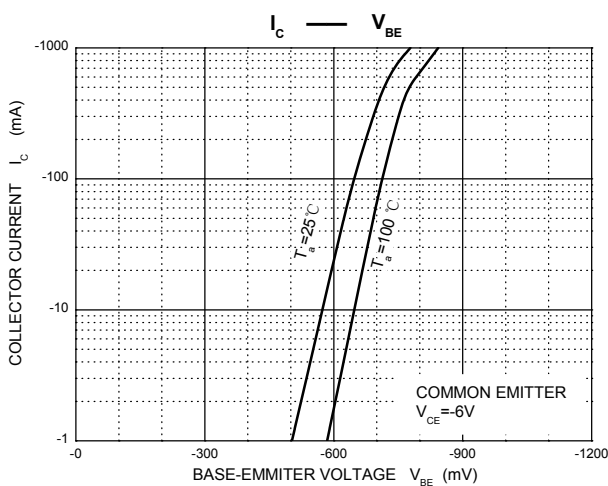
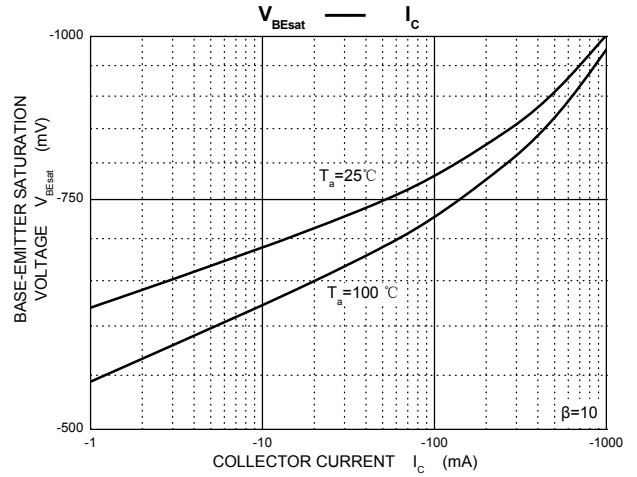
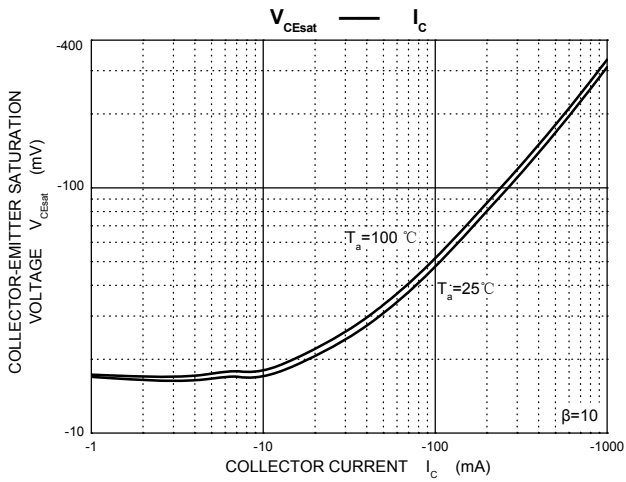
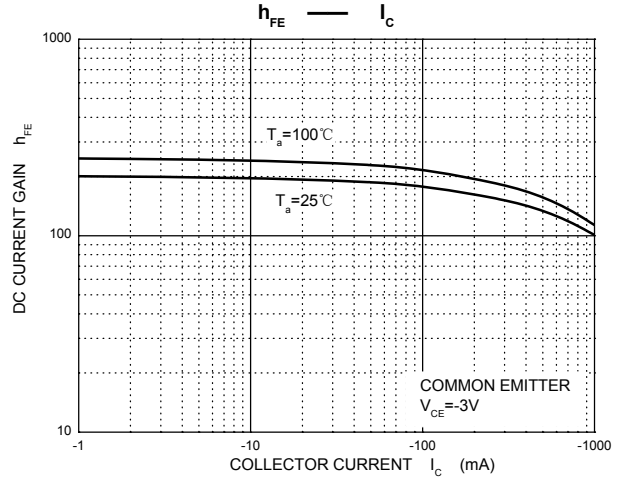
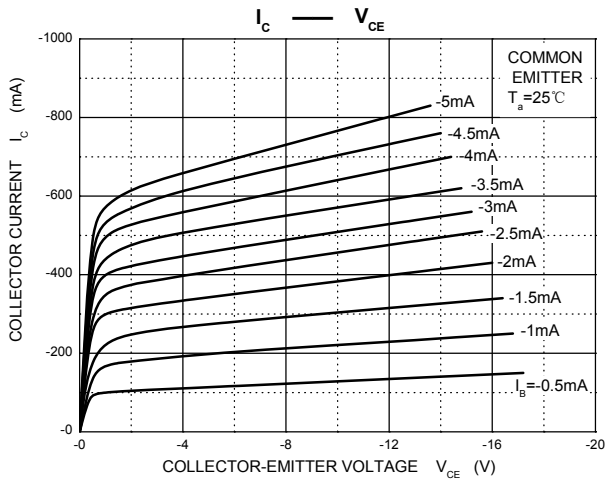
SOT-89



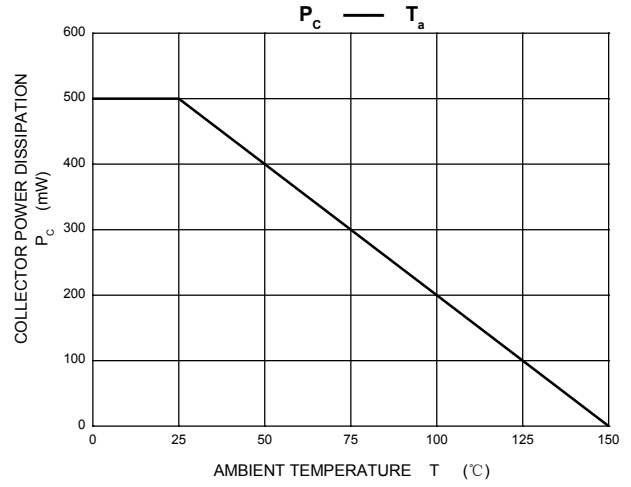
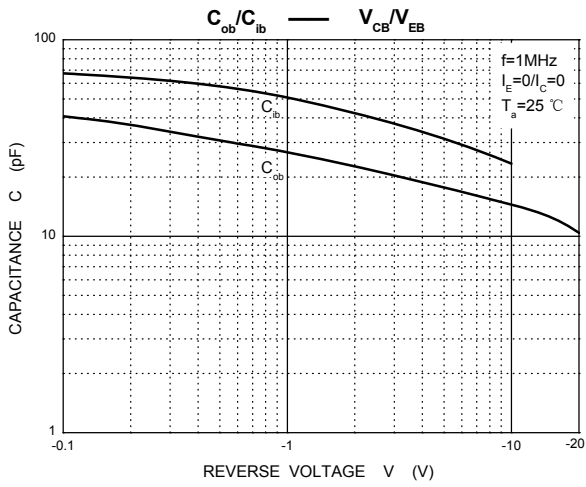
- 1.BASE
- 2.COLLECTOR
- 3.EMITTER

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



Typical Characteristics





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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

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