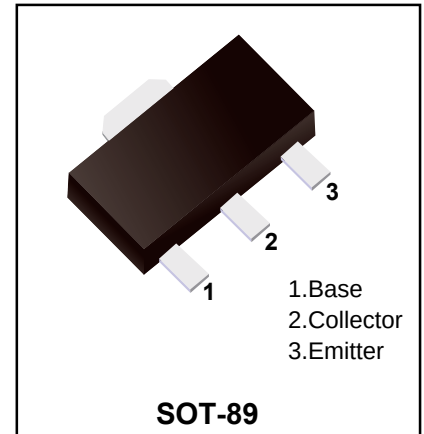


PNP Transistors

Features

- Low $V_{CE(sat)}$
- Compliments to 2SD1664



Absolute Maximum Rating ($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	-40	V
Collector-Emitter Voltage	V_{CEO}	-32	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector Current (DC) Single pulse, $P_w=100\text{ms}$	I_C	-1	A
		-2	A
Collector Power Dissipation	P_C *	0.5	W
Junction temperature	T_j	150	$^{\circ}\text{C}$
Storage temperature Range	T_{stg}	-55 to +150	$^{\circ}\text{C}$

* When mounted on a 40x40x0.7mm ceramic board.

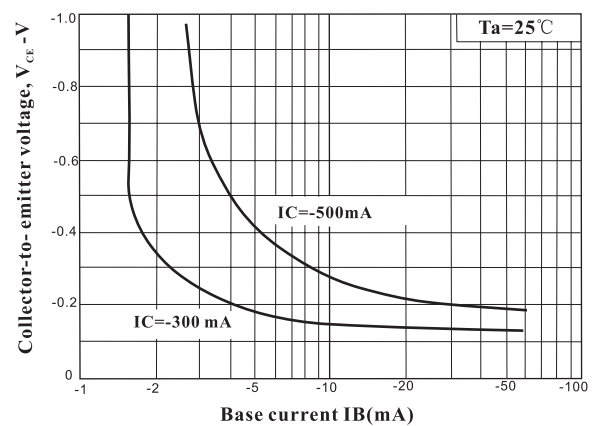
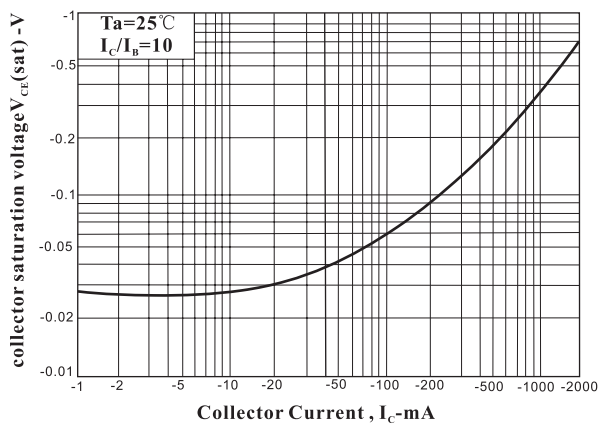
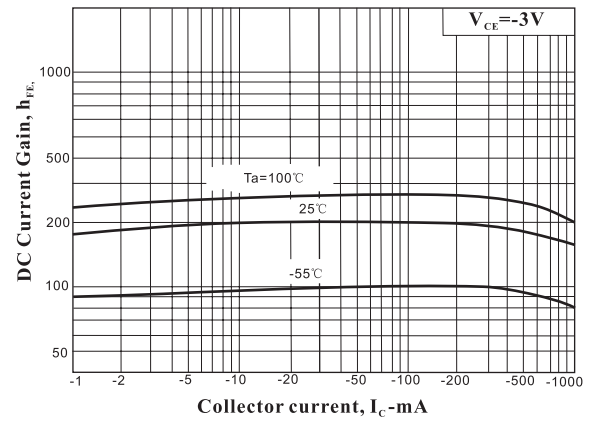
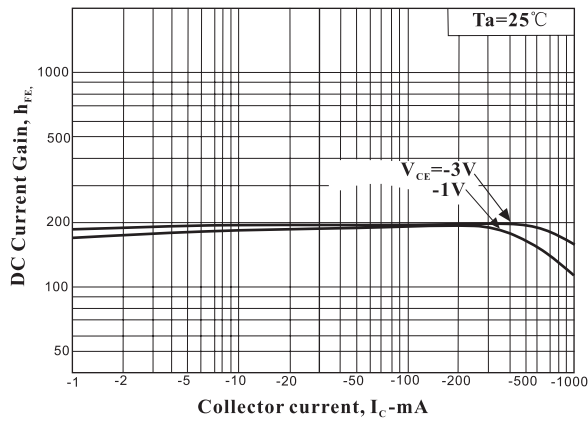
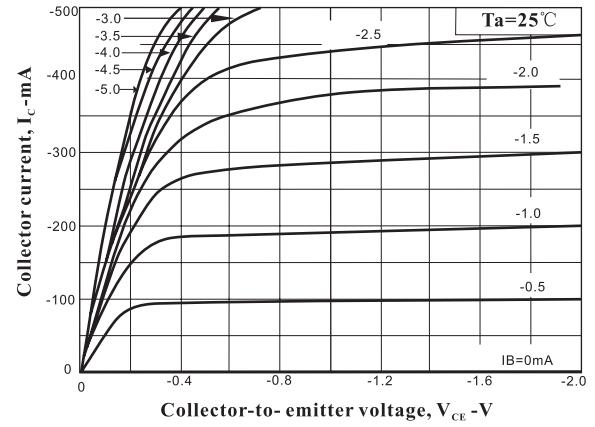
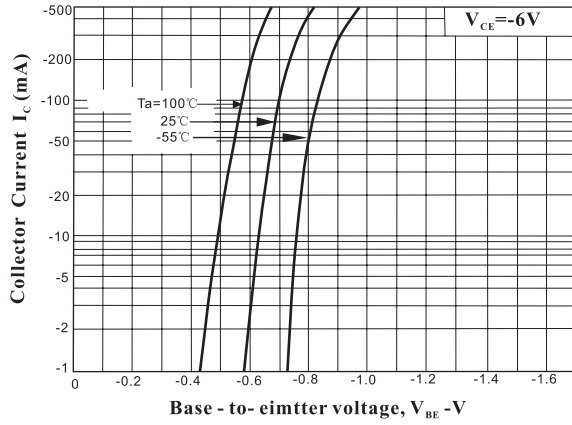
Electrical Characteristics ($T_a=25^{\circ}\text{C}$)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V_{CBO}	$I_C = -50\mu\text{A}$, $I_E = 0$	-40			V
Collector- emitter breakdown voltage	V_{CEO}	$I_C = -1\text{mA}$, $I_B = 0$	-32			
Emitter - base breakdown voltage	V_{EBO}	$I_E = -50\mu\text{A}$, $I_C = 0$	-5			
Collector-base cut-off current	I_{CBO}	$V_{CB} = -20\text{V}$, $I_E = 0$			-0.5	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = -4\text{V}$, $I_C = 0$			-0.5	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -500\text{mA}$, $I_B = -50\text{mA}$		-0.2	-0.5	V
DC current gain	h_{FE}	$V_{CE} = -3\text{V}$, $I_C = -0.1\text{A}$	82		390	
Collector output capacitance	C_{ob}	$V_{CB} = -10\text{V}$, $I_E = 0\text{mA}$, $f = 1\text{MHz}$		20	30	pF
Transition frequency	f_T	$V_{CE} = -5\text{V}$, $I_E = 50\text{mA}$, $f = 30\text{MHz}$		150		MHz

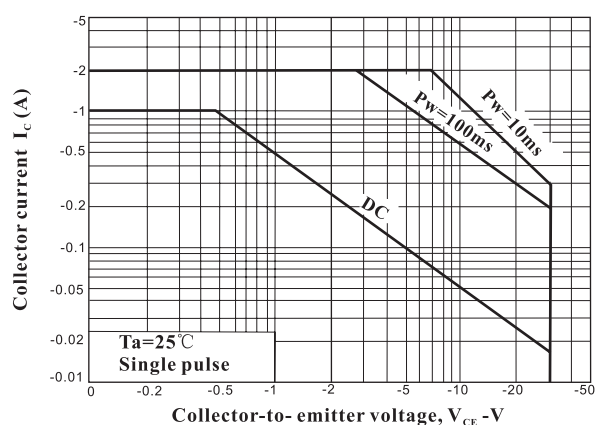
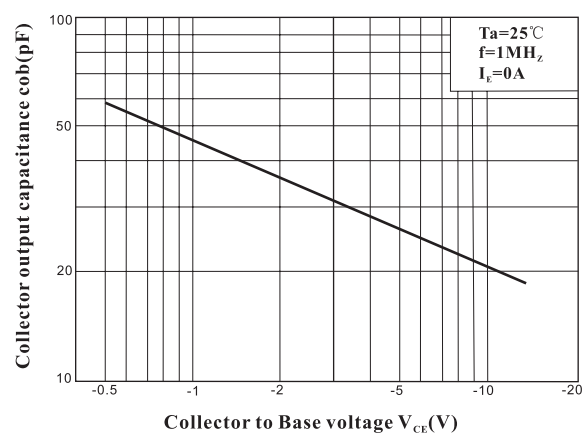
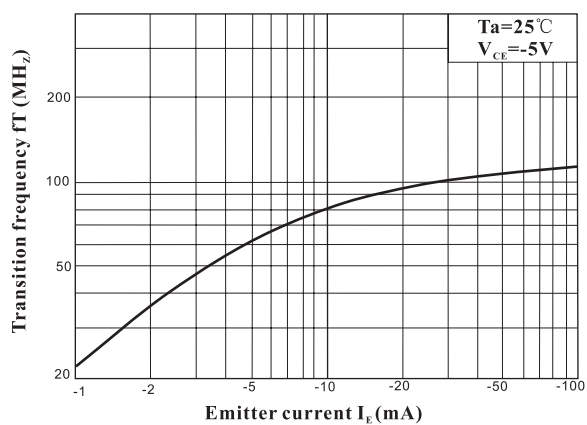
h_{FE} Classification

Type	2SB1132-P	2SB1132-Q	2SB1132-R
Range	82-180	120-270	180-390
Marking	BAP*	BAQ*	BAR*

Typical Characteristics



Typical Characteristics



Ordering information

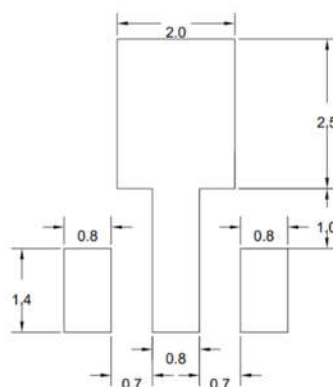
Package	Packing Description	Base Quantity	Packing Quantity
SOT-89	Tape/Reel, 7" reel	1000pcs/Reel	6000PCS/Box 30000PCS/Carton

Package Dimensions

SOT-89

Dim	Millimeter		Inches	
	Min.	Max.	Min.	Max.
A	1.40	1.60	0.055	0.063
b	0.32	0.52	0.013	0.020
b1	0.38	0.58	0.015	0.023
c	0.35	0.45	0.014	0.018
D	4.40	4.60	0.173	0.181
D1	1.45	1.65	0.057	0.065
D2	1.70	1.80	0.067	0.071
E	2.30	2.60	0.091	0.102
E1	3.95	4.25	0.156	0.167
E2	1.80	2.00	0.071	0.079
e	1.40	1.60	0.055	0.063
e1	2.80	3.20	0.110	0.126
L	0.90	1.20	0.035	0.047

The recommended mounting pad size



UNIT:MM

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