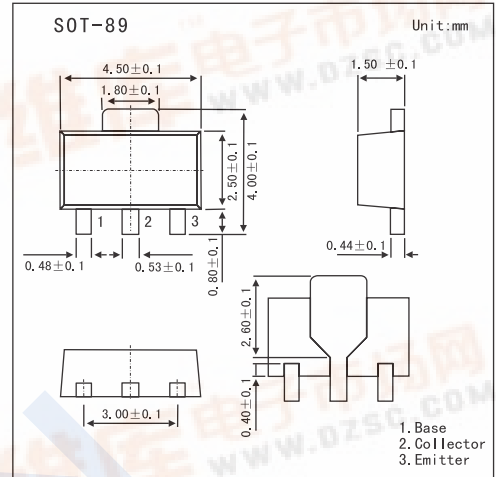


SMD Type Transistors

Medium Power Transistor
2SB1132



Features

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

Absolute Maximum Ratings $T_a = 25^\circ C$

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	V_{CB0}	-40	V
Collector-Emitter Voltage	V_{CE0}	-32	V
Emitter-Base Voltage	V_{EB0}	-5	V
Collector Current (DC)	I_C	-1	A
Single pulse, $P_w=100ms$		-2	A
Collector Power Dissipation	P_C *	0.5	W
Junction temperature	T_j	150	$^\circ C$
Storage temperature Range	T_{stg}	-55 to +150	$^\circ C$

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

Electrical Characteristics $T_a = 25^\circ C$

Parameter	Symbol	Testconditions	Min	Typ	Max	Unit
Collector Cut-off Current	I_{CBO}	$V_{CB} = -20V, I_E = 0$			-0.5	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -4V, I_C = 0$			-0.5	μA
Collector-base Breakdown Voltage	$V_{(BR)CBO}$	$I_C = -50\mu A, I_E = 0$	-40			V
Collector-emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C = -1mA, I_B = 0$	-32			V
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E = -50\mu A$	-5			
DC Current Gain	h_{FE}	$V_{CE} = -3V, I_C = -0.1A$	82		390	
Transition Frequency	f_t	$V_{CE} = -5V, I_E = 50mA, f = 30MHz$		150		MHz
Collector Output Capacitance	C_{ob}	$V_{CB} = -10V, I_E = 0, f = 1MHz$		20	30	pF

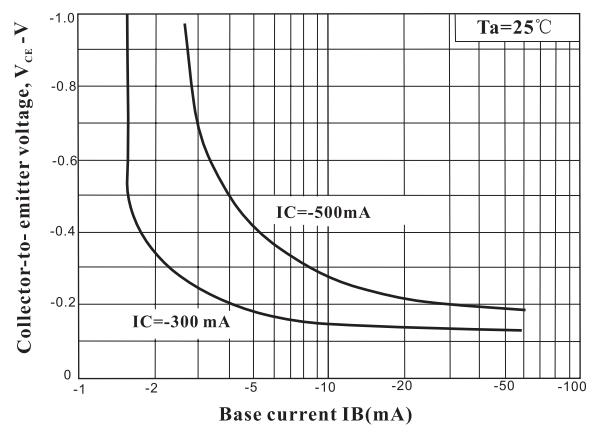
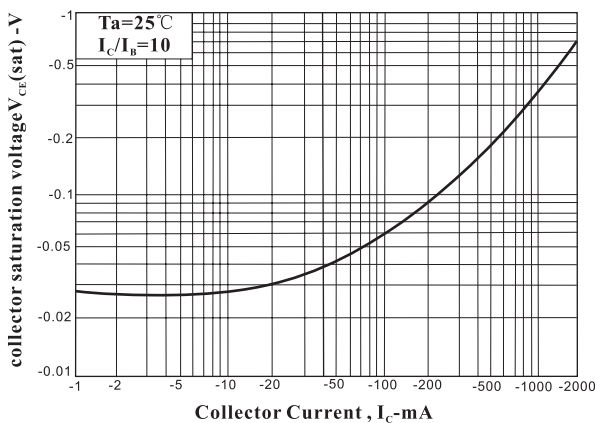
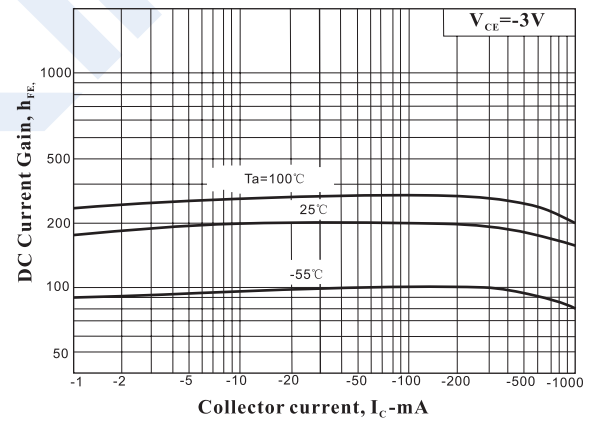
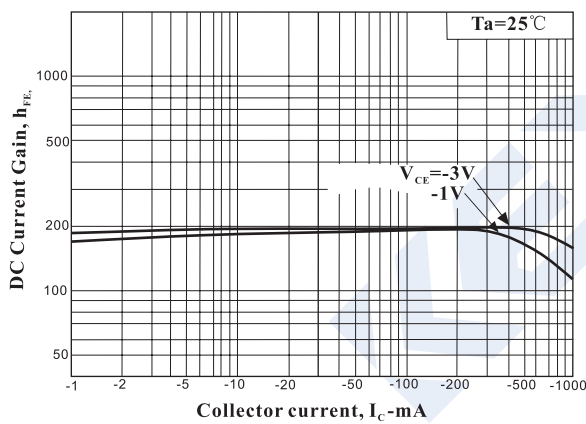
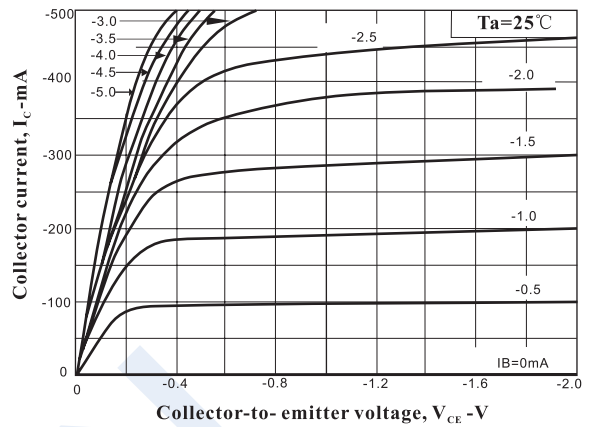
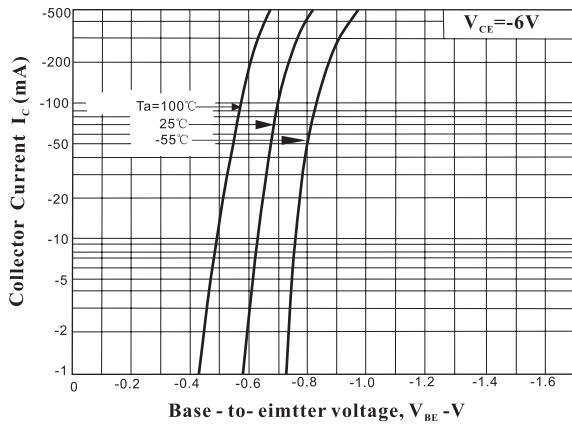
hFE Classification

Marking	BA		
	P	Q	R
h_{FE}	82 ~ 180	120 ~ 270	180 ~ 390



2SB1132

Electrical Characteristics Curves



2SB1132

