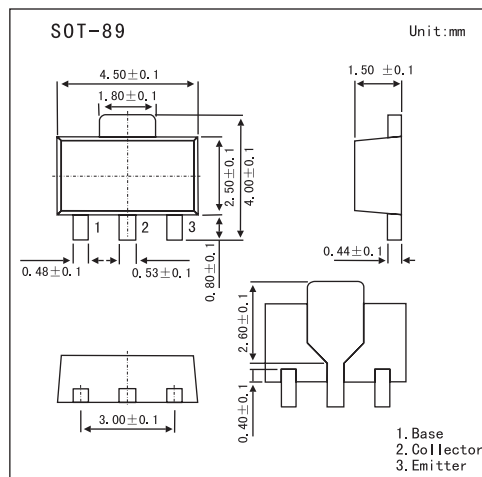


■ Features

- High Voltage:  $V_{CB0} = -300V$  ,  $V_{CE0} = -300V$
- Low Saturation Voltage:  $V_{CE(sat)} = -0.5V$  (max)
- Small Collector Output Capacitance:  $C_{ob} = 6pF$
- $P_c = 1$  to  $2W$  (mounted on ceramic substrate)
- Small Flat Package
- Complementary to 2SC3515



■ Absolute Maximum Ratings  $T_a = 25^{\circ}C$

Parameter	Symbol	Rating	Unit
Collector-Base Voltage	$V_{CB0}$	-300	V
Collector-Emitter Voltage	$V_{CE0}$	-300	V
Emitter-Base Voltage	$V_{EB0}$	-8	V
Collector Current	$I_c$	-100	mA
Base Current	$I_B$	-20	mA
Collector Power Dissipation	$P_c$	500	mW
	$P_{c^*}$	1000	
Jumction temperature	$T_j$	150	$^{\circ}C$
Storage temperature Range	$T_{stg}$	-55 to +150	$^{\circ}C$

\* 2SA1384 mounted on ceramic substrate (250 mm<sup>2</sup> x 0.8 t)

■ Electrical Characteristics  $T_a = 25^{\circ}C$

Parameter	Symbol	Testconditons	Min	Typ	Max	Unit
Collector Cut-off Current	$I_{CB0}$	$V_{CB} = -300V$ , $I_E = 0$			-0.1	$\mu A$
Emitter Cut-off Current	$I_{EB0}$	$V_{EB} = -8V$ , $I_c = 0$			-0.1	$\mu A$
Collector-base Breakdown Voltage	$V_{(BR)CB0}$	$I_c = -0.1mA$ , $I_E = 0$	-300			V
Collector-emitter Breakdown Voltage	$V_{(BR)CE0}$	$I_c = -1mA$ , $I_B = 0$	-300			V
DC Current Gain	$h_{FE}$	$V_{CE} = -10V$ , $I_c = -20mA$	30		150	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_c = -20mA$ , $I_B = -2mA$			-0.5	V
Base-emitter Saturation Voltage	$V_{BE(sat)}$	$I_c = -20mA$ , $I_B = -2mA$			-1.0	V
Transition Frequency	$f_T$	$V_{CE} = -10V$ , $I_c = -20mA$	50	70		MHz
Collector Output Capacitance	$C_{ob}$	$V_{CB} = -20V$ , $I_E = 0$ , $f = 1MHz$		6	8	pF

hFE Classification

Marking	J	
Rank	R	O
hFE	30 ~ 90	50 ~ 150

Electrical Characteristics Curves

