

## Silicon NPN Power Transistors

2SC4467

## DESCRIPTION

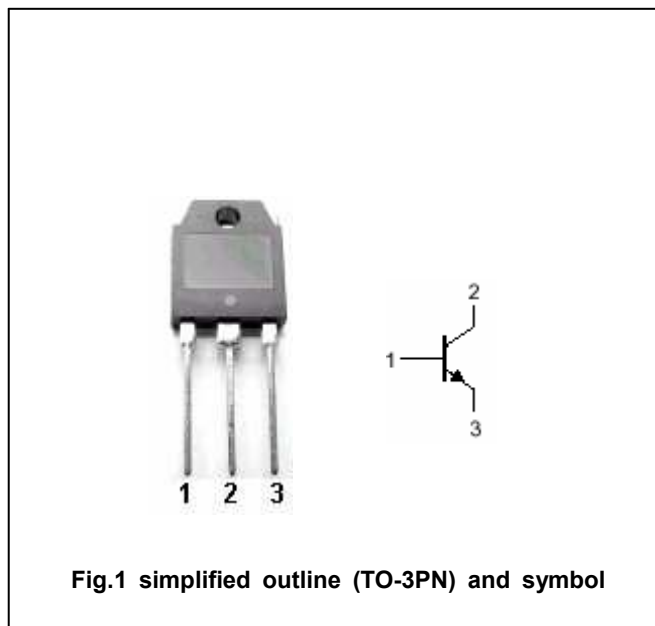
- With TO-3PN package
- Complement to type 2SA1694

## APPLICATIONS

- Audio and general purpose

## PINNING

PIN	DESCRIPTION
1	Base
2	Collector;connected to mounting base
3	Emitter

Absolute maximum ratings( $T_a = \square$ )

SYMBOL	PARAMETER	CONDITIONS	VALUE	UNIT
$V_{CBO}$	Collector-base voltage	Open emitter	160/200	V
$V_{CEO}$	Collector-emitter voltage	Open base	120/140	V
$V_{EBO}$	Emitter-base voltage	Open collector	6/6	V
$I_C$	Collector current		8/12	A
$I_B$	Base current		3/20	A
$P_C$	Collector power dissipation	$T_C = 25\square$	80/100	W
$T_j$	Junction temperature		150/	$\square$
$T_{stg}$	Storage temperature		-55~150	$\square$

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## CHARACTERISTICS

Tj=25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
$V_{(BR)CEO}$	Collector-emitter breakdown voltage	$I_C=50mA$ ; $I_B=0$	120/140			V
$V_{CEsat}$	Collector-emitter saturation voltage	$I_C=3A$ ; $I_B=0.3A$			1.5/0,7	V
$I_{CBO}$	Collector cut-off current	$V_{CB}=160V$ ; $I_E=0$			10/0,1	$\mu A$
$I_{EBO}$	Emitter cut-off current	$V_{EB}=6V$ ; $I_C=0$			10/0,1	$\mu A$
$h_{FE}$	DC current gain	$I_C=3A$ ; $V_{CE}=4V$	50/50		180/200	
$C_{OB}$	Output capacitance	$I_E=0$ ; $V_{CB}=10V$ , $f=1MHz$		200/150		pF
$f_T$	Transition frequency	$I_C=0.5A$ ; $V_{CE}=12V$		20		MHz

## Switching times

$t_{on}$	Turn-on time	$I_C=4A$ ; $R_L=10\Omega$ $I_{B1}=-I_{B2}=0.4A$ $V_{CC}=40V$		0.13/0,22		Ms
$t_s$	Storage time			3.50/4,3		Ms
$t_f$	Fall time			0.32/0,5		Ms

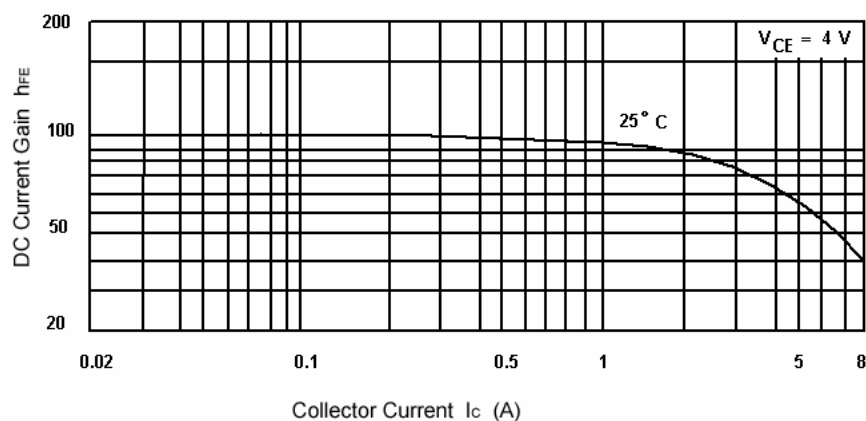
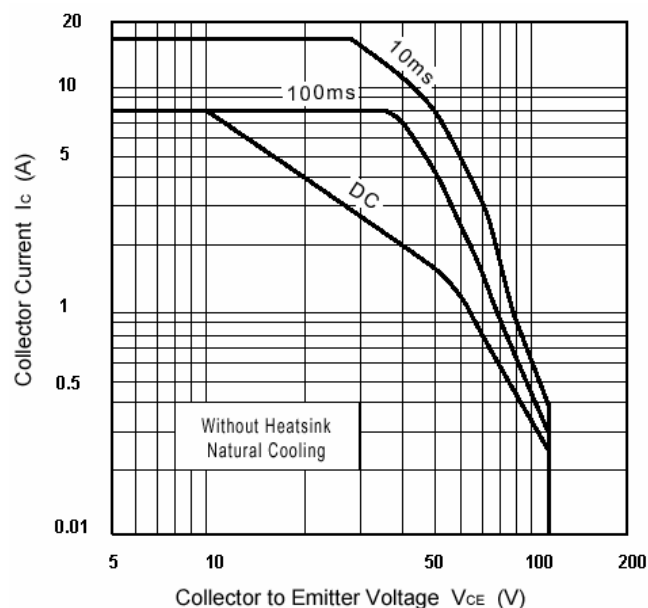
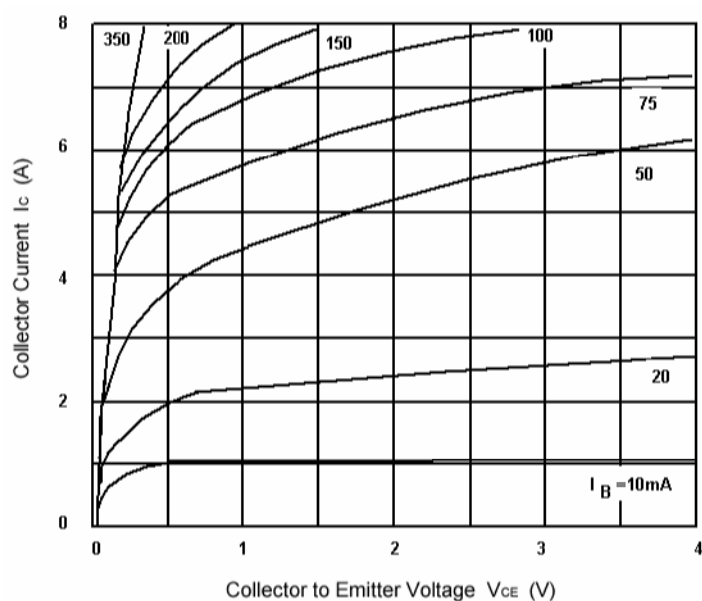
◆  $h_{FE}$  Classifications

O	P	Y
50-100	70-140	90-180

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This datasheet has been downloaded from:

[www.DatasheetCatalog.com](http://www.DatasheetCatalog.com)

Datasheets for electronic components.