

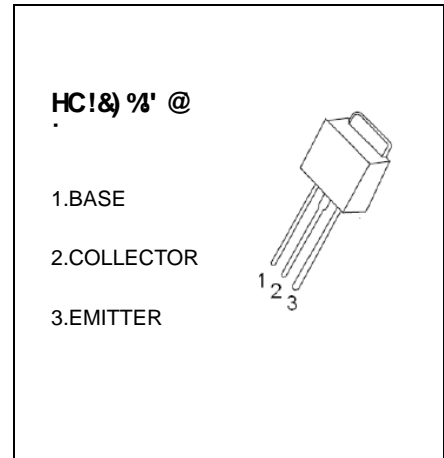


HC!&)'% @D`UghjW9 bWUdgi `UhY`HfUbg]ghc f g`

A>8' \$)) TRANSISTOR (NPN)

: 95HI F9G`

- Designed for General Purpose Amplifier and Low Speed Switching Applications`
- Electrically Similar to MJE3055`
- DC Current Gain Specified to 10A`



A5 L=AI A`F5HB; G`fHu1 &) `C`i b`Ygg`cH Yfk JgY`bcHfYXL`

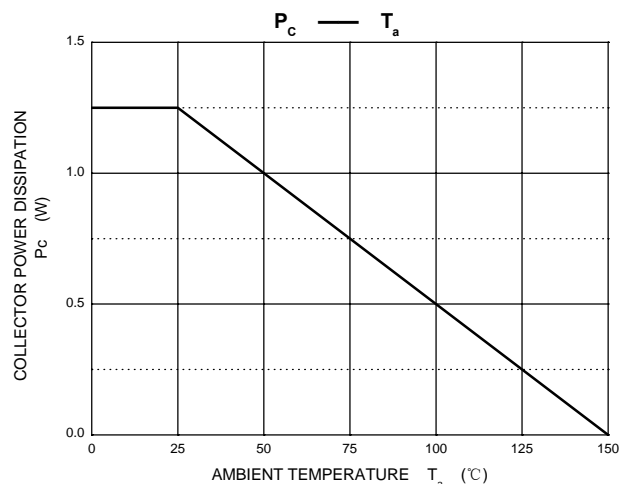
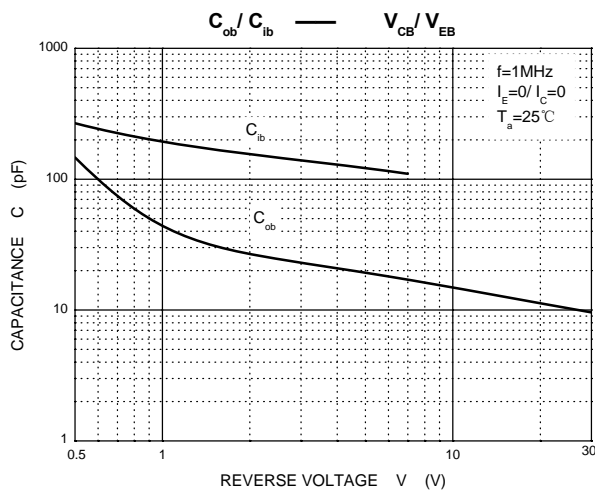
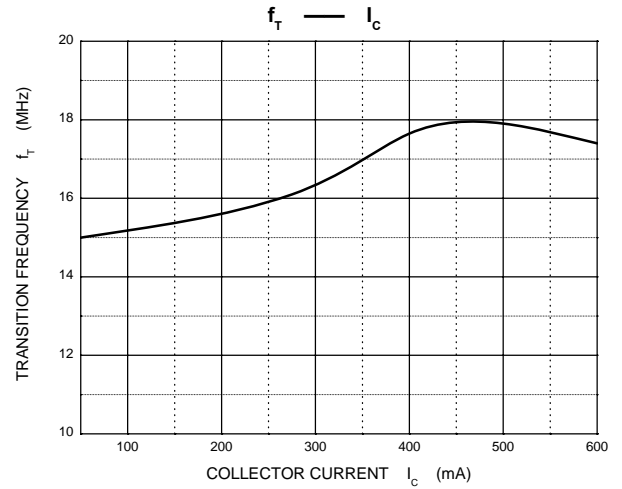
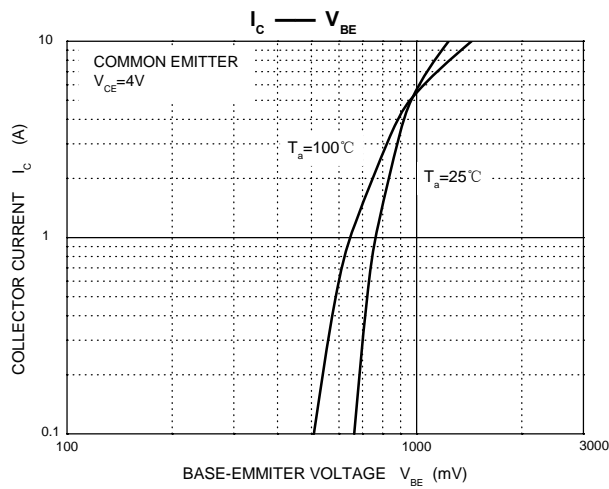
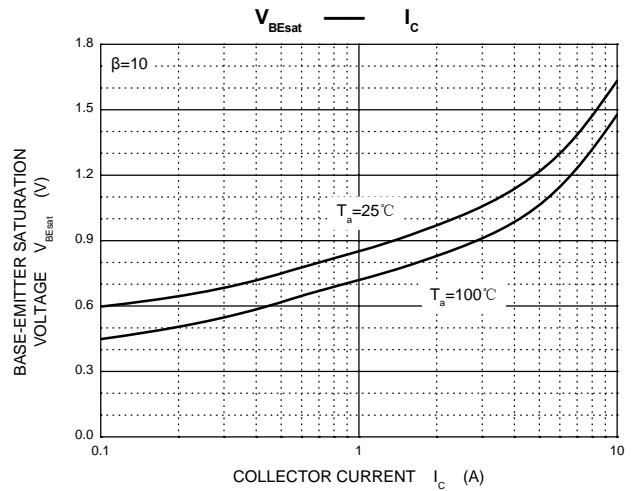
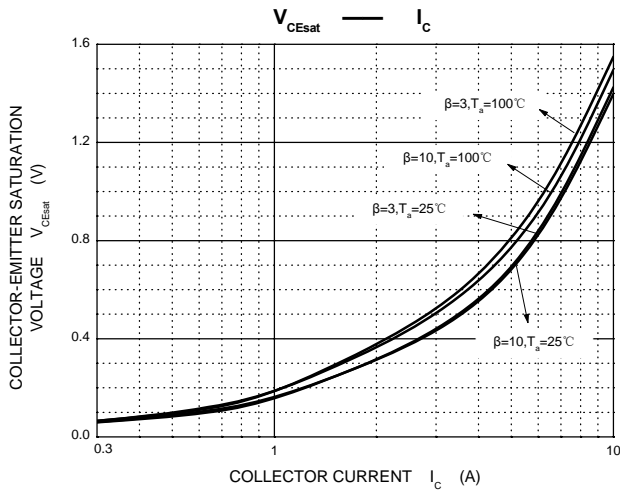
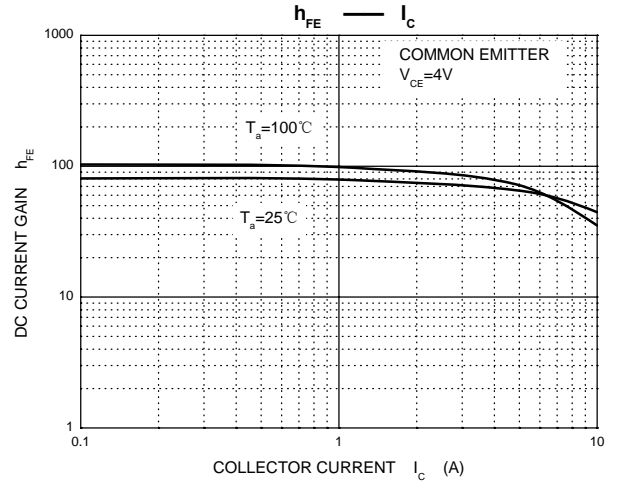
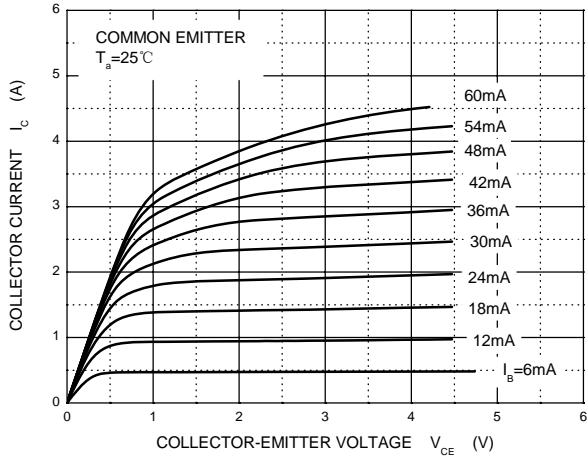
Gna Vc`	DUFUa YHf`	JU i Y`	I b]h`
J76c`	Collector-Base Voltage	70	V
J79c`	Collector-Emitter Voltage	60	V
J96c`	Emitter-Base Voltage	5	V
⇒`	Collector Current -Continuous	10	A
D7`	Collector Power Dissipation	1.25	W
Hj`	Junction Temperature	150	°C
Hgh`	Storage Temperature	-55-150	°C

9 @7 HF=7 5 @ `7 <5 F5 7 H9F -GH7 G`fHu1 &) `C`i b`Ygg`cH Yfk JgY`gdYVjZYXL`

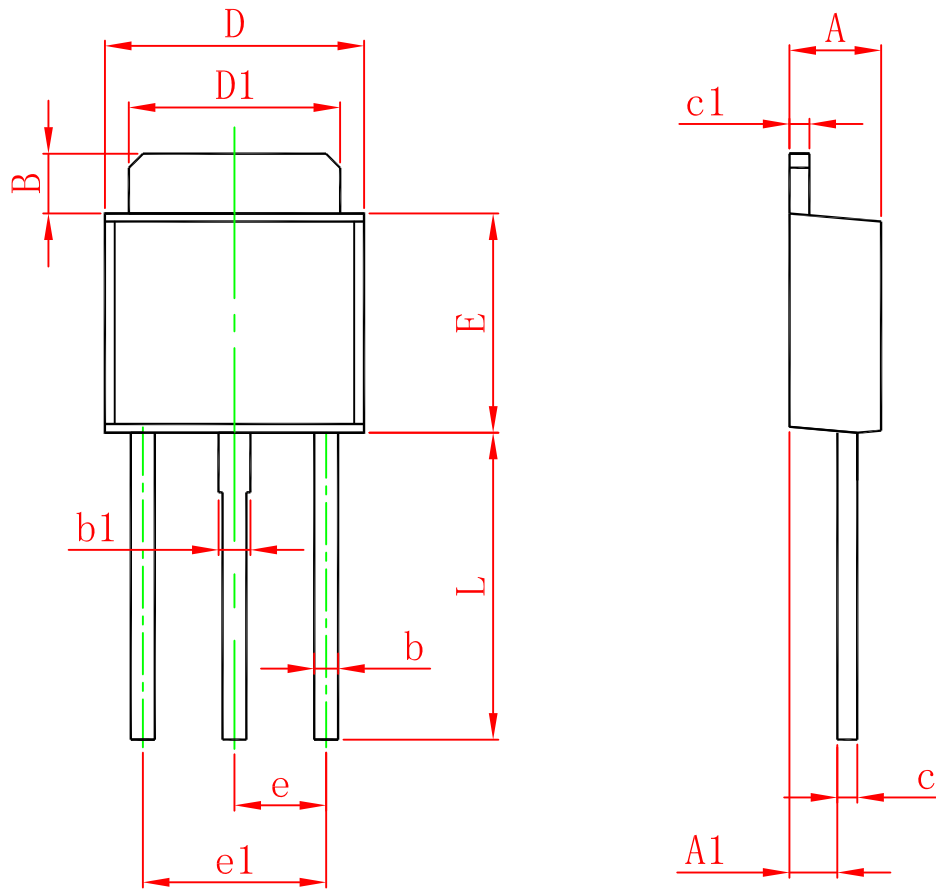
..... DUFUa YHf`	Gna Vc`	.. Hfgh` .. WcbX]hcbg`	A]b`	Hmf`	.. AU`	.. I b]h`
7c`YWfcf!VUgYVfYU_Xck b`j`c`Hj`Y`	$V_{(BR)CBO}$	$I_c=1mA, I_E=0$	70			V
7c`YWfcf!Ya]HfY`VfYU_Xck b`j`c`Hj`Y`	$V_{(BR)CEO}$	$I_c=200 mA, I_B=0$	60			V
9a]HfY!VUgYVfYU_Xck b`j`c`Hj`Y`	$V_{(BR)EBO}$	$I_E=1mA, I_C=0$	5			V
7c`YWfcf`W HcZW ffYbh`	I_{CBO}	$V_{CB}=70V, I_E=0$			0.02	mA
	I_{CEO}	$V_{CB}=30V, I_B=0$			50	μA
9a]HfY`W HcZW ffYbh`	I_{EBO}	$V_{EB}=5V, I_C=0$			0.5	mA
87`W ffYbh[U]b`	$h_{FE(1)}$	$V_{CE}=4V, I_C=4A$	20		100	
	$h_{FE(2)}$	$V_{CE}=4V, I_C=10A$	5			
7c`YWfcf!Ya]HfY`gUhfU]cb`j`c`Hj`Y`	$V_{CE(sat)(1)}$	$I_C=4A, I_B=0.4A$			1.1	V
	$V_{CE(sat)(2)}$	$I_C=10A, I_B=3.3A$			8	V
6UgY!Ya]HfY`j`c`Hj`Y`	V_{BE}	$V_{CE}=4V, I_C=4A$			1.8	V
HfUbg]hcb`Z`YeI`YbWni`	f_T	$V_{CE}=10V, I_C=0.5A, f=500KHz$	2			MHz

Typical Characteristics

Static Characteristic



TO-251-3L Package Outline Dimensions



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	2.200	2.400	0.087	0.094
A1	1.050	1.350	0.042	0.054
B	1.350	1.650	0.053	0.065
b	0.500	0.700	0.020	0.028
b1	0.700	0.900	0.028	0.035
c	0.430	0.580	0.017	0.023
c1	0.430	0.580	0.017	0.023
D	6.350	6.650	0.250	0.262
D1	5.200	5.400	0.205	0.213
E	5.400	5.700	0.213	0.224
e	2.300 TYP.		0.091 TYP.	
e1	4.500	4.700	0.177	0.185
L	7.500	7.900	0.295	0.311