



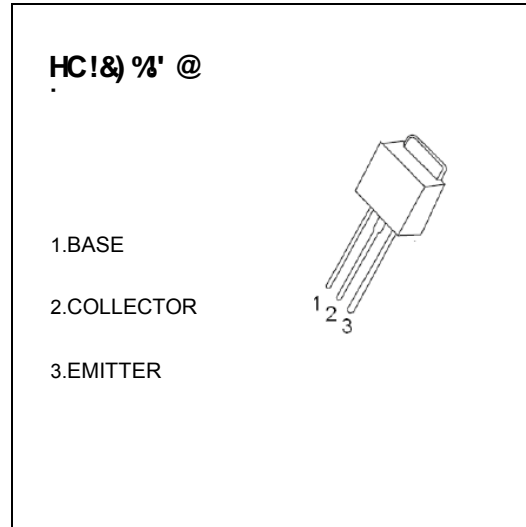
>5 B; GI '7 <5 B; >5 B; '9 @7 HF CB=7 G'H97 <BC @; M7 C'Z @18'

## HC!&) %3L D`UghjW9 bWUdgi `UHY`HF Ubgjghc f g'

**A>8 %&&** TRANSISTOR (NPN)

: 95HI F9G'

- High DC Current Gain
- Electrically Similar to Popular TIP122
- Built-in a Damper Diode at E-C



**A5L=AI A`F5HB; G (Ta=25°C unless otherwise noted)**

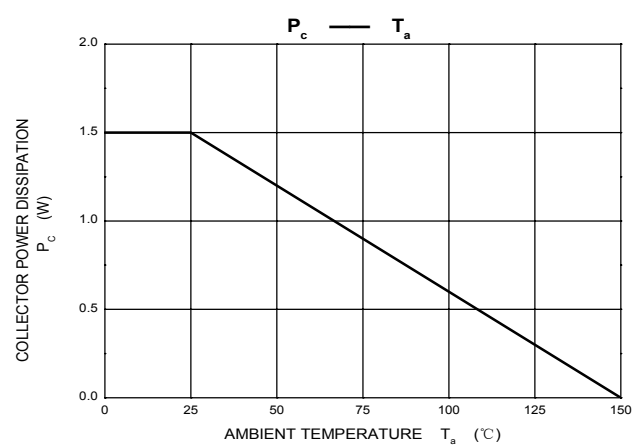
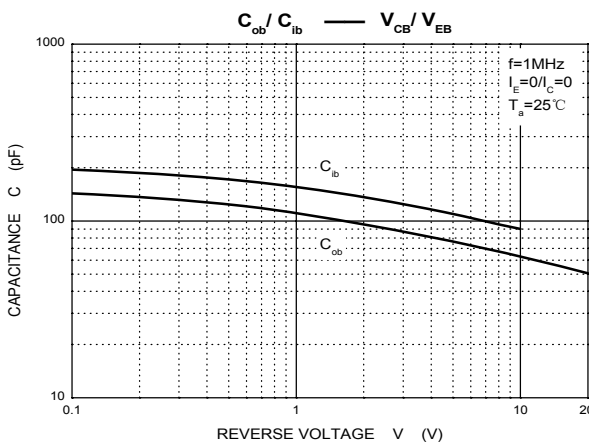
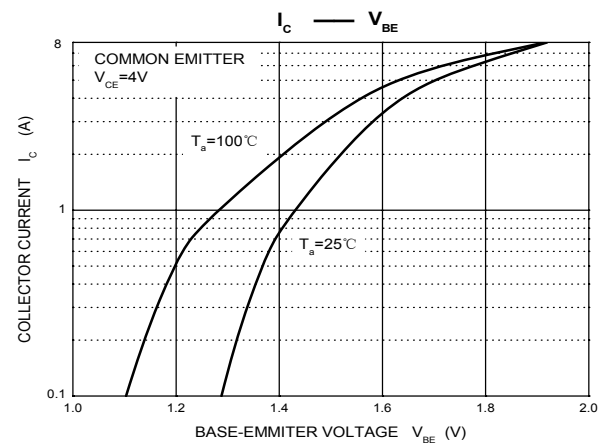
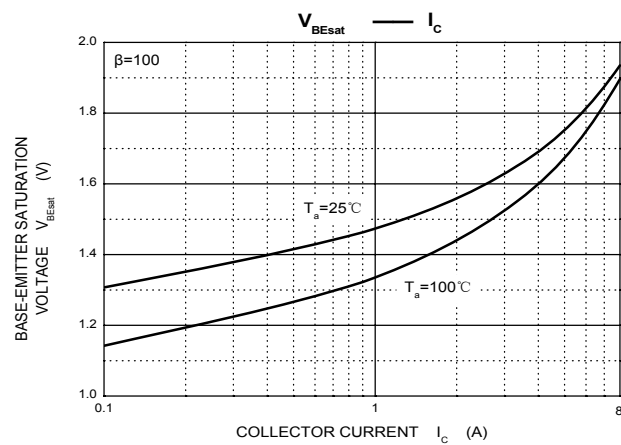
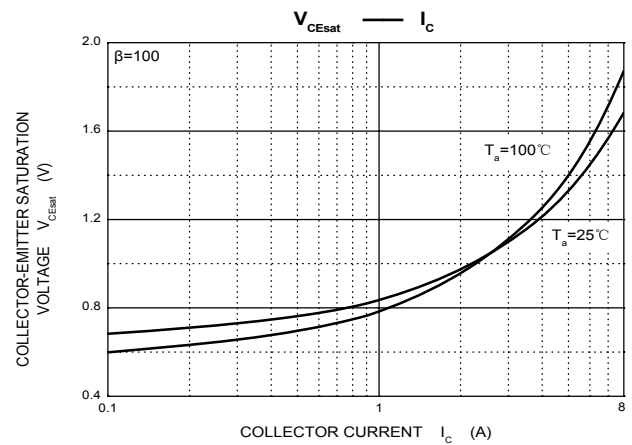
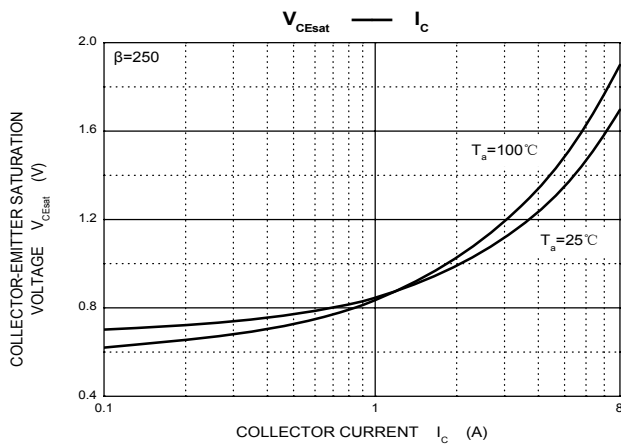
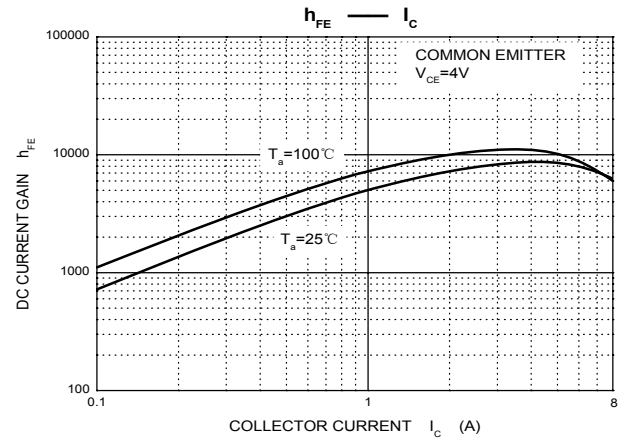
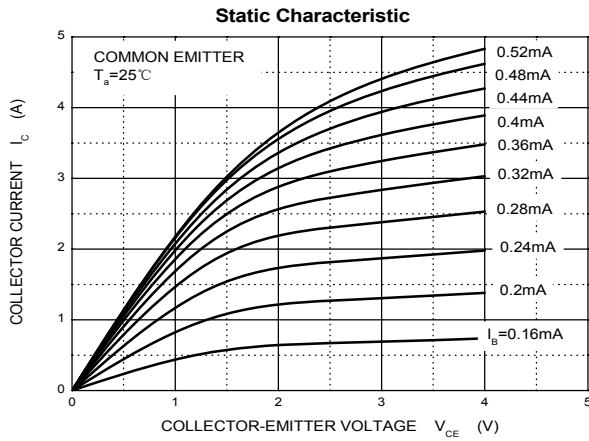
Gna Vc`	DUFUa Yhf`	JU i Y`	I bjh`
J76C`	Collector-Base Voltage	100	V
J79C`	Collector-Emitter Voltage	100	V
J96C`	Emitter-Base Voltage	5	V
7`	Collector Current -Continuous	8	A
D7`	Collector Dissipation	1.5	W
HZHGf`	Junction and Storage Temperature	-55-150	°C

'9 @7 HF=7 5 @`7 <5 F57 H9F=GH7 G (H1&) °Ci b`Ygg`ch Yfk jgY`gdYWZQX`

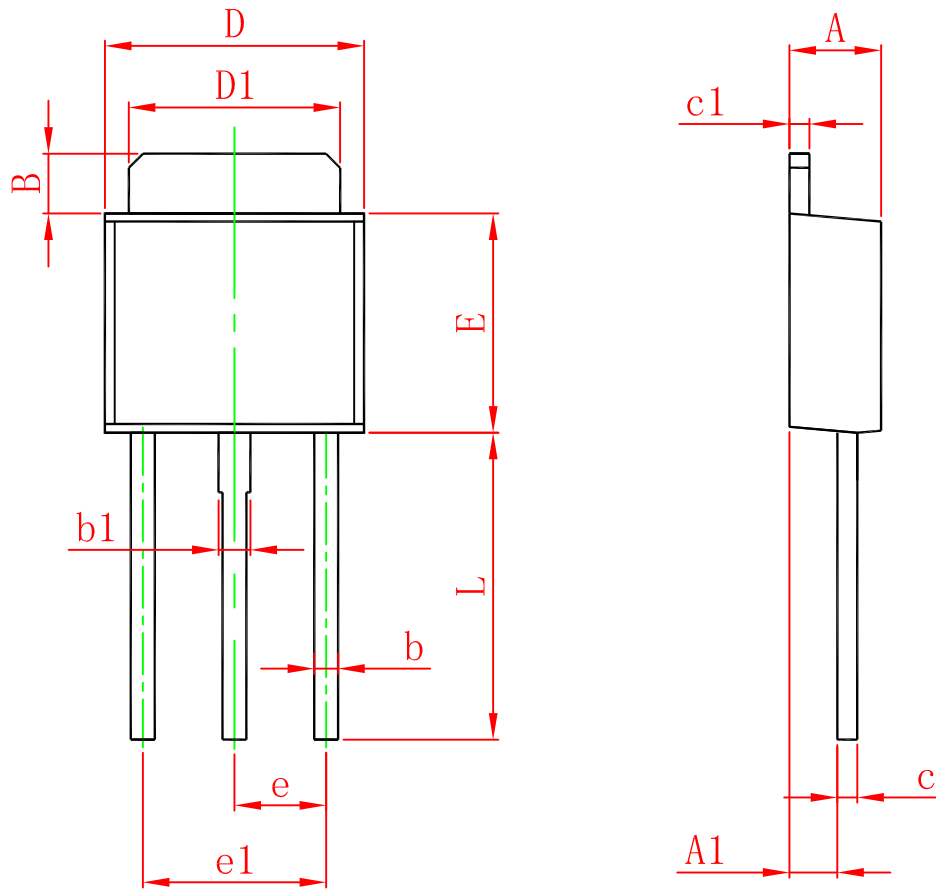
DUFUa Yhf`	Gna Vc`	HYgh`WcbXjhc b g`	A j b`	Hnd`	A U`	I bjh`
7c`YWcf!VUgYVfYU_Xck b`j c`HJ Y`	$V_{(BR)CBO}$	$I_C=1mA, I_E=0$	100			V
7c`YWcf!Ya jHfY`VfYU_Xck b`j c`HJ Y`	$V_{(BR)CEO}$	$I_C=30mA, I_B=0$	100			V
9a jHfY!VUgYVfYU_Xck b`j c`HJ Y`	$V_{(BR)EBO}$	$I_E=3mA, I_C=0$	5			V
7c`YWcf`W HcZW ffYbhi`	$I_{CBO}$	$V_{CB}=100V, I_E=0$			10	$\mu A$
7c`YWcf!Ya jHfY`W HcZW ffYbhi`	$I_{CEO}$	$V_{CE}=50V, I_E=0$			10	$\mu A$
9a jHfY`W HcZW ffYbhi`	$I_{EBO}$	$V_{EB}=5V, I_C=0$			2	mA
87`W ffYbhi[ Uj b`	$h_{FE(2)}$	$V_{CE}=4V, I_C=4A$	1000		12000	
	$h_{FE(3)}$	$V_{CE}=4V, I_C=8A$	100			
7c`YWcf!Ya jHfY`gUhi fUjcb`j c`HJ Y`	$V_{CE(sat)(1)}$	$I_C=4A, I_B=16mA$			2	V
	$V_{CE(sat)(2)}$	$I_C=8A, I_B=80mA$			4	V
6 UgY!Ya jHfY`gUhi fUjcb`j c`HJ Y`	$V_{BE(sat)}$	$I_C=8A, I_B=80mA$			4.5	V
6 UgY!Ya jHfY`j c`HJ Y`*	$V_{BE}$	$V_{CE}=4V, I_C=4A$			2.8	V
7c`YWcf`ci hdi hWUdUWjHbW`	$C_{ob}$	$V_{CB}=10V, I_E=0, f=0.1MHz$			200	pF

# Typical Characteristics

# MJD122



# 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