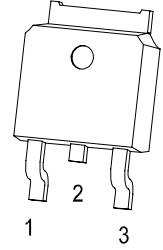


FEATURES

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

TO-252-2L

1. BASE
2. COLLECTOR
3. EMITTER



MAXIMUM RATINGS (T_a=25 °C unless otherwise noted)

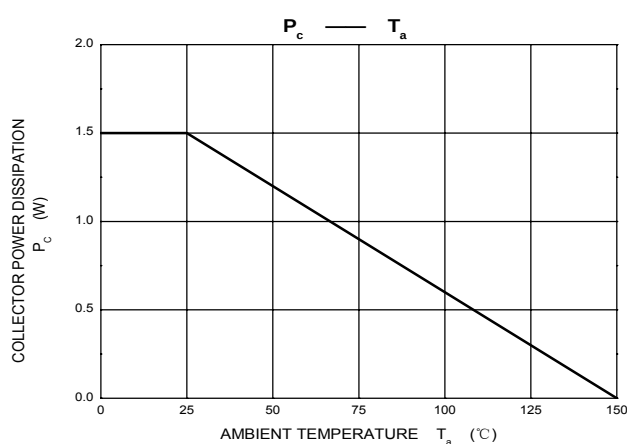
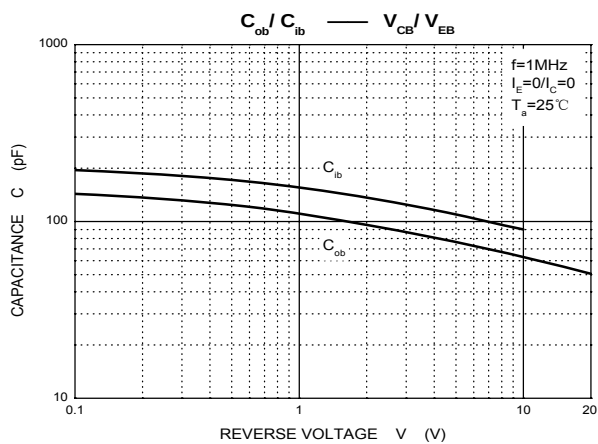
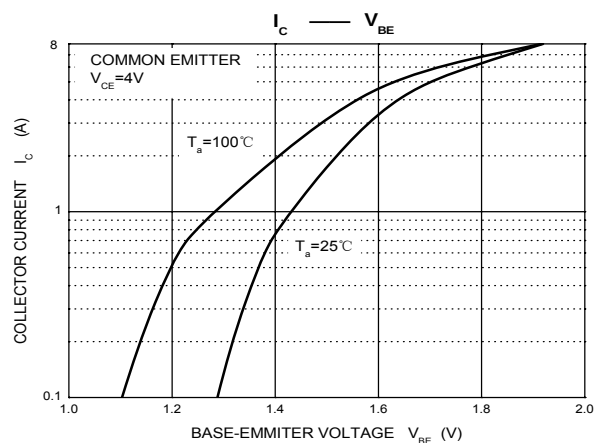
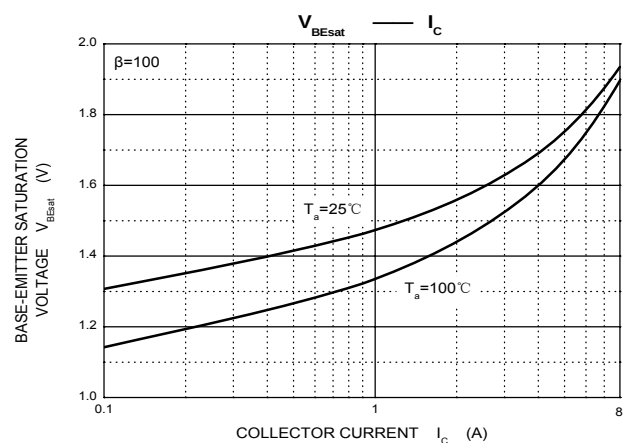
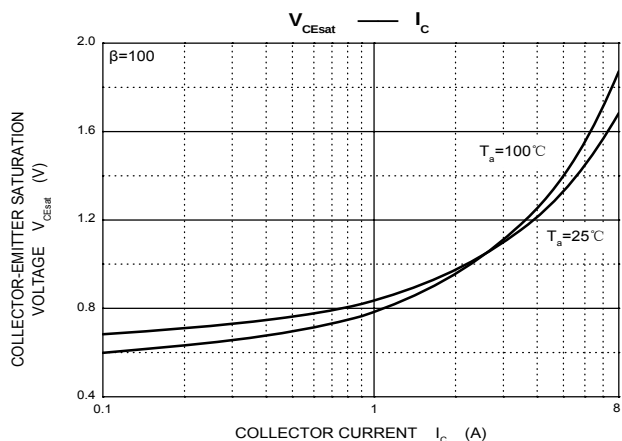
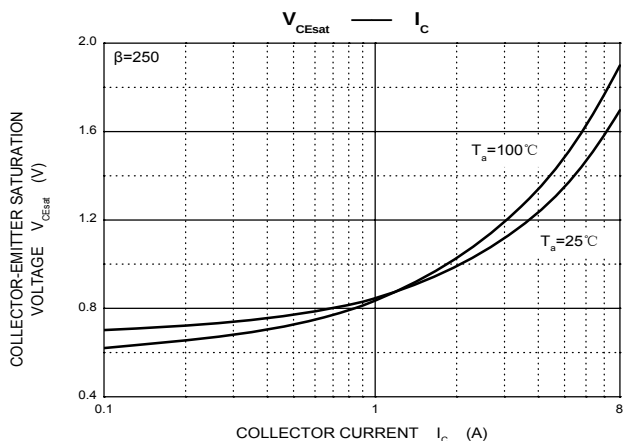
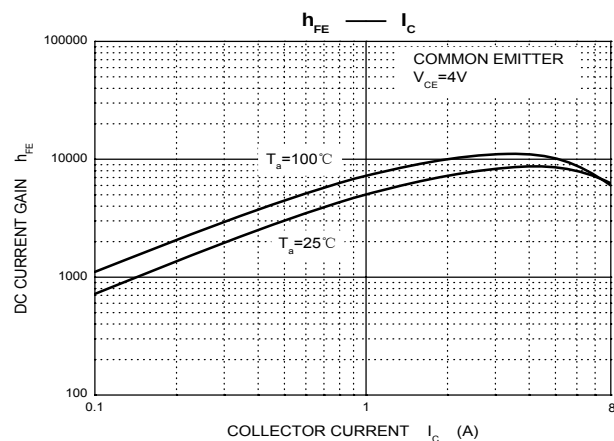
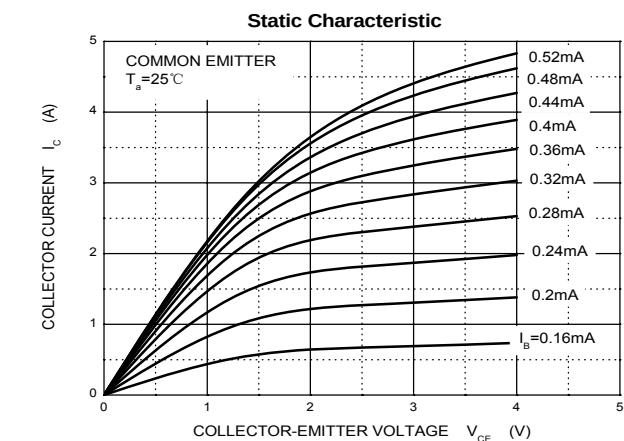
Symbol	Param	Value	Unit
V _{CBO}	Collector-Base Voltage	100	V
V _{CEO}	Collector-Emitter Voltage	100	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current -Continuous	8	A
P _C	Collector Dissipation(TA=25°C)	1.5	W
T _J , T _{stg}	Junction and Storage Temperature	-55-150	°C
R _{θJC}	Thermal Resistance-Junction to Case	3	°C/W
R _{θJA}	Thermal Resistance-Junction to Air	83.3	°C/W

ELECTRICAL CHARACTERISTICS(T_a=25 °C unless otherwise specified)

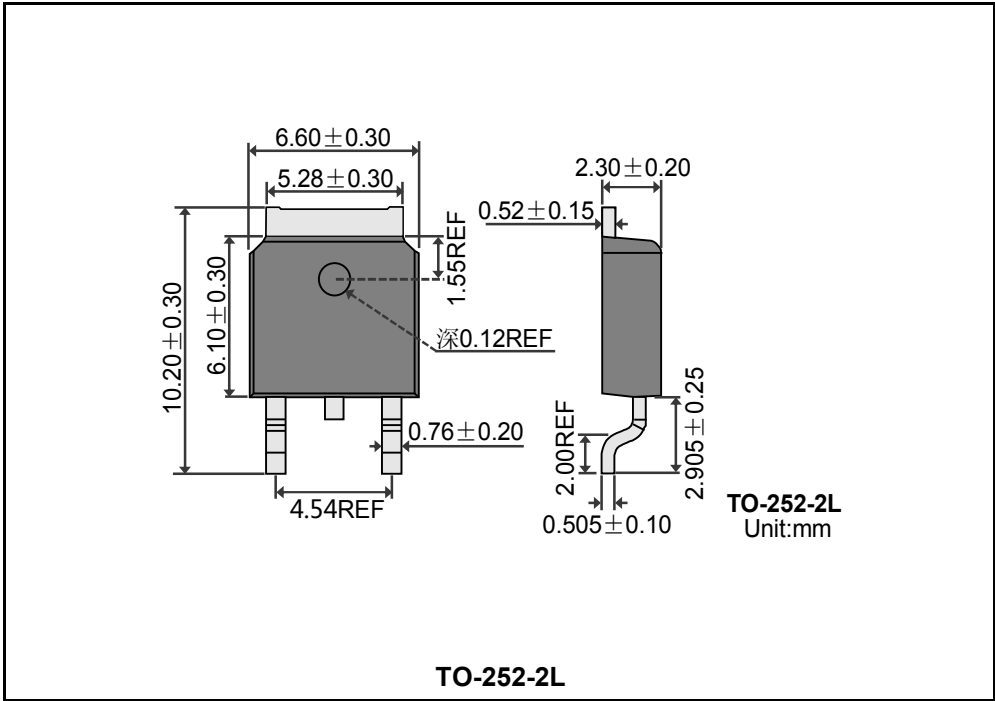
Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =10mA I _E =0	100			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =5mA, I _B =0	100			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =1mA, I _C =0	5			V
Collector cut-off current	I _{CBO}	V _{CB} =100V, I _E =0			1	mA
Collector-emitter cut-off current	I _{CEO}	V _{CE} =100V, I _E =0			2	mA
Emitter cut-off current	I _{EBO}	V _{EB} =5V, I _C =0			2	mA
DC current gain	h _{FE(2)}	V _{CE} =3V, I _C =0.5A	1000			
	h _{FE(3)}	V _{CE} =3V, I _C =3A	1000			
Collector-emitter saturation voltage	V _{CE(sat)1}	I _C =3A, I _B =12mA			2	V
	V _{CE(sat)2}	I _C =5A, I _B =20mA			4	V
Base-emitter saturation voltage	V _{BE(sat)}	I _C =8A, I _B =80mA			4.5	V
Base-emitter voltage*	V _{BE}	V _{CE} =4V, I _C =4A			2.8	V
Collector output capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=0.1MHz			200	pF



Typical Characteristics



Package Outline Dimensions



Packing Information

Packaging	Package	Part Number	Quantity	Size
Tube	TO-252-2L	Tube	80 pieces	540*20*5mm
		Inner Box	4000 pieces	565*158*55mm
		Outer Box	20000 pieces	590*310*180mm
Reel	TO-252-2L	Reel	3000 pieces	330*15mm
		Inner Box	3000 pieces	345*345*25mm
		Outer Box	30000 pieces	355*290*375mm

Notice:

Jiangsu Mhchxm Electronics Technology Co.Ltd.,have the right to modify the specification revision, all information are subject to change without notice.

