

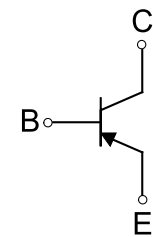
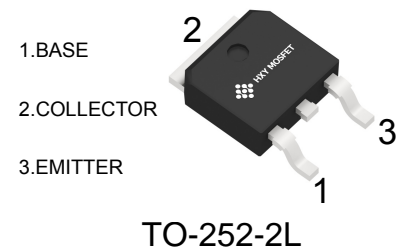


Features

- Low Speed Switching

Package Marking and Ordering Information

Product ID	Pack	Packing Method	Qty(PCS)
B772M	TO-252-2L	Tape and Reel	2500



Maximum Ratings (Ta=25°C unless otherwise noted)

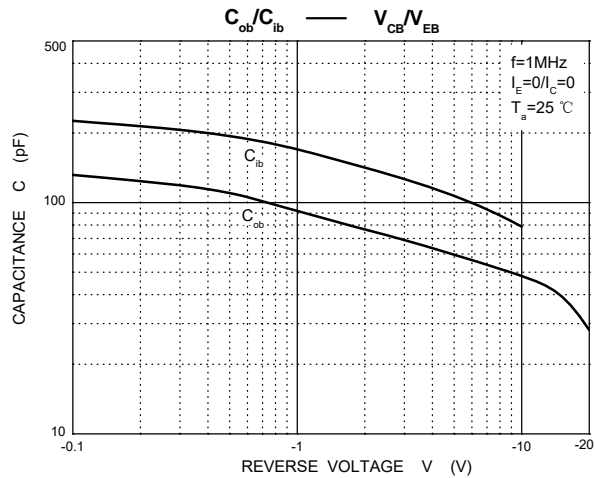
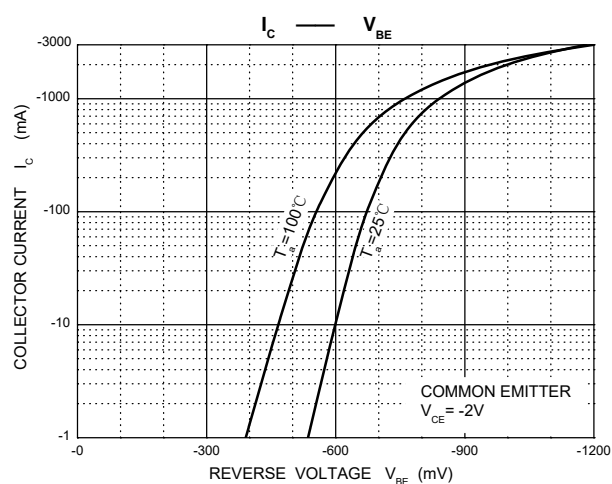
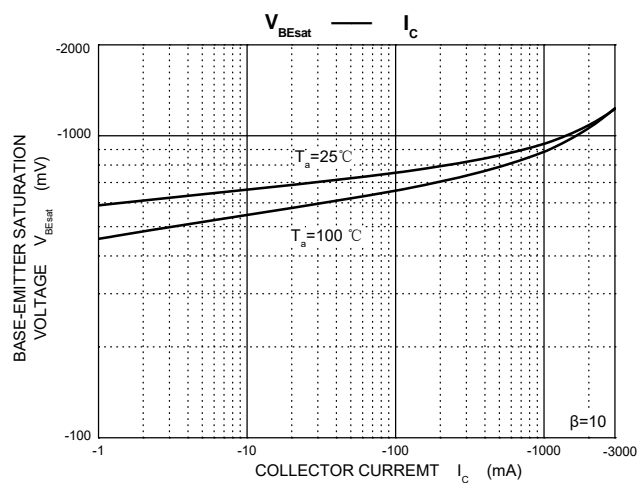
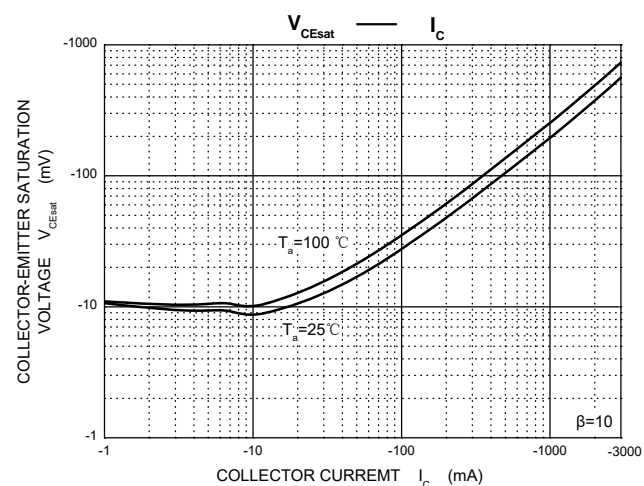
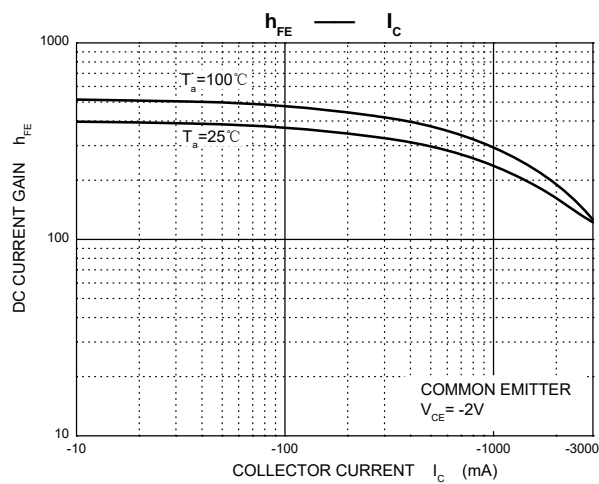
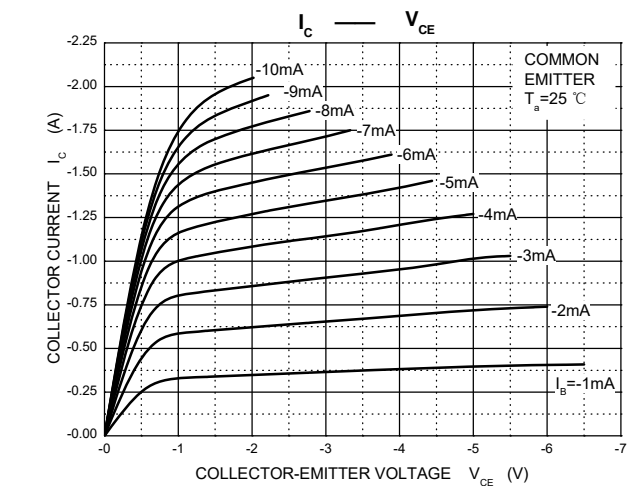
Symbol	Parameter	Max	Unit
V _{CBO}	Collector-Base Voltage	-40	V
V _{CEO}	Collector-Emitter Voltage	-40	V
V _{EBO}	Emitter-Base Voltage	-6	V
I _C	Collector Current -Continuous	-3	A
P _C	Collector Power Dissipation	1	W
T _J , T _{stg}	Operation Junction and Storage Temperature Range	-55-150	°C

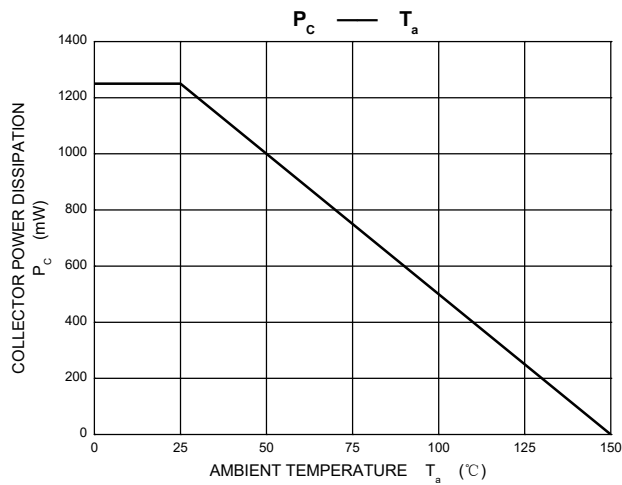
Electrical Characteristics(Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =-1mA, I _E =0	-40		V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C = -1mA, I _B =0	-40		V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E = -1mA, I _C =0	-6		V
Collector cut-off current	I _{CBO}	V _{CB} = -40V, I _E =0		0.1	μA
Collector cut-off current	I _{CEO}	V _{CE} =-30V, I _B =0		0.5	μA
Emitter cut-off current	I _{EBO}	V _{EB} =-6V, I _C =0		0.1	μA
DC current gain	h _{FE}	V _{CE} = -2V, I _C = -1A	200	300	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =-2A, I _B = -0.2A		-0.5	V
Transition frequency	f _T	V _{CE} = -5V, I _C =-0.1A f =10MHz	50		MHz

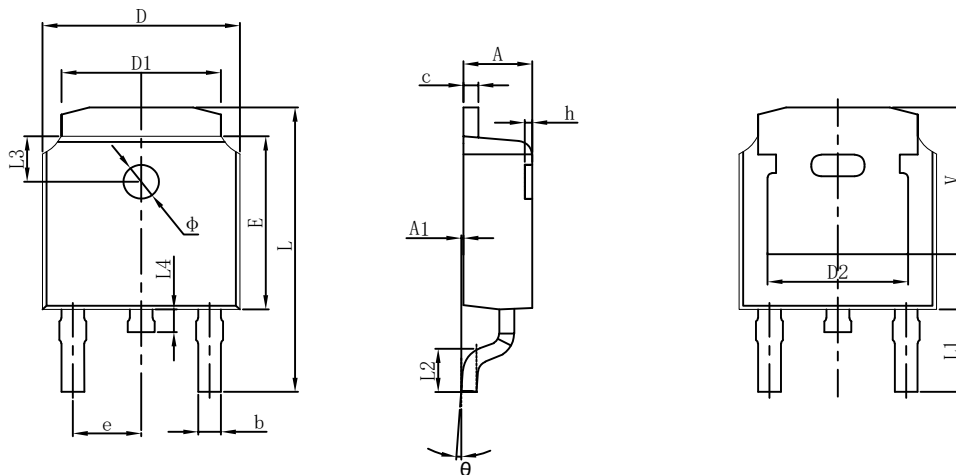


Typical Characteristics





TO-252-2L Package Information



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	2.200	2.400	0.087	0.094
A1	0.000	0.127	0.000	0.005
b	0.635	0.770	0.025	0.030
c	0.460	0.580	0.018	0.023
D	6.500	6.700	0.256	0.264
D1	5.100	5.460	0.201	0.215
D2	4.830 REF.		0.190 REF.	
E	6.000	6.200	0.236	0.244
e	2.186	2.386	0.086	0.094
L	9.712	10.312	0.382	0.406
L1	2.900 REF.		0.114 REF.	
L2	1.400	1.700	0.055	0.067
L3	1.600 REF.		0.063 REF.	
L4	0.600	1.000	0.024	0.039
phi	1.100	1.300	0.043	0.051
theta	0°	8°	0°	8°
h	0.000	0.300	0.000	0.012
V	5.250 REF.		0.207 REF.	



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