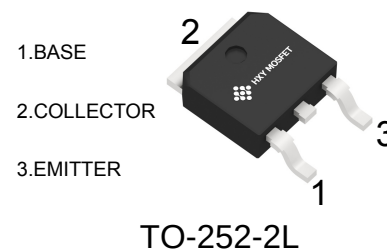


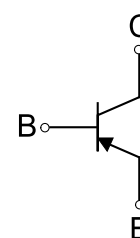
Features

- Low Speed Switching



Package Marking and Ordering Information

Product ID	Pack	Packing Method	Qty(PCS)
2SB772	TO-252-2L	Tape and Reel	2500



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

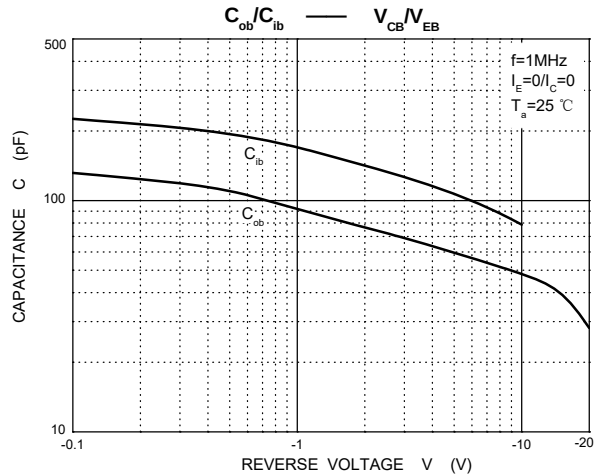
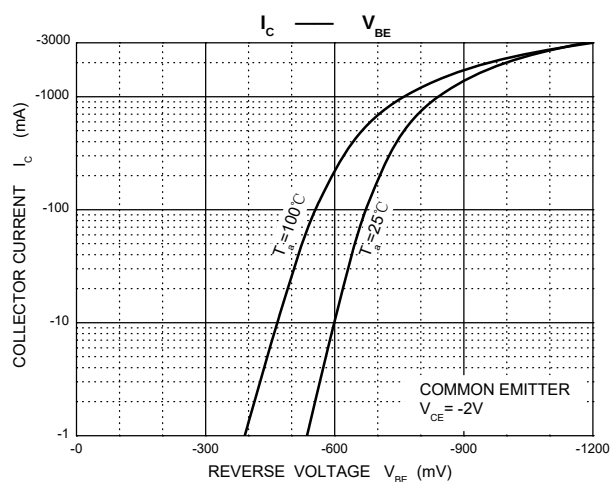
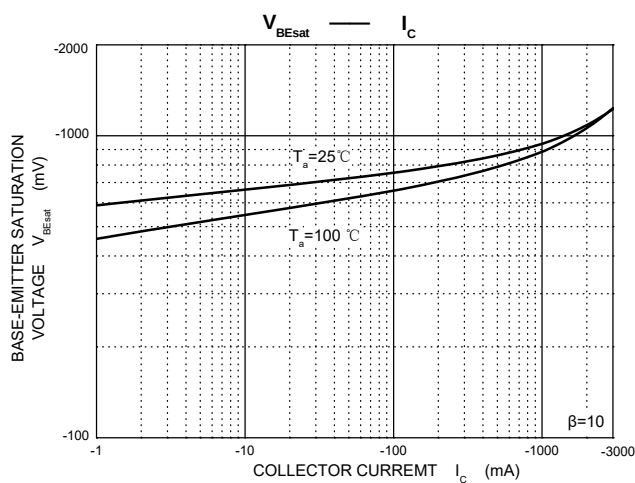
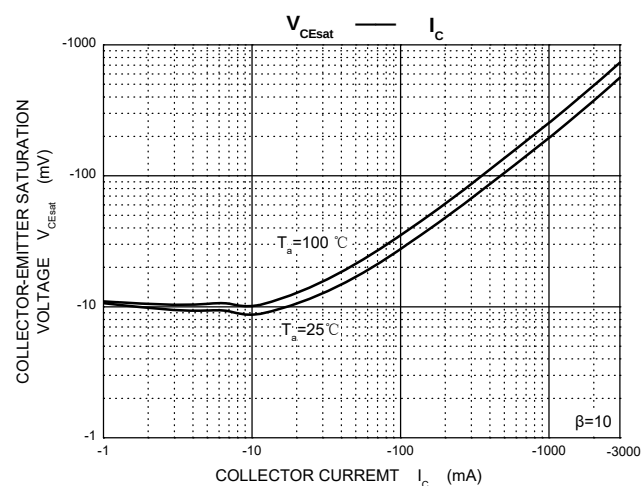
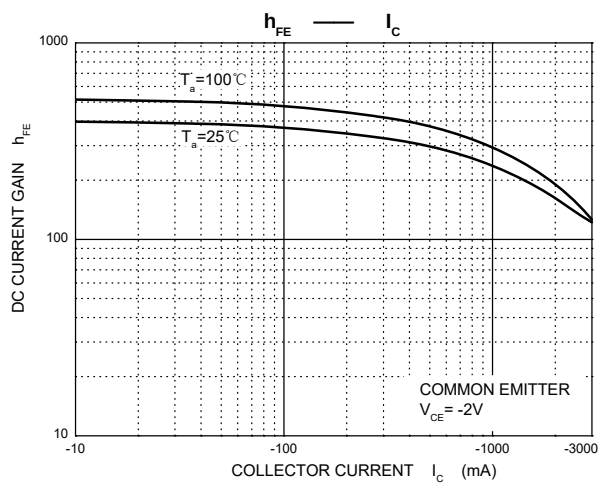
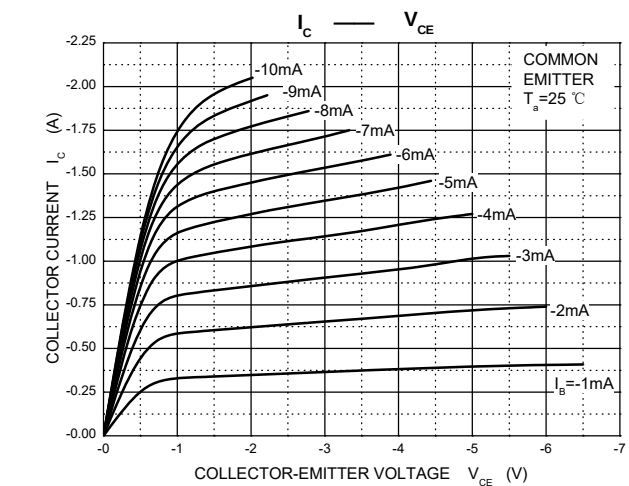
Symbol	Parameter	Max	Unit
V_{CBO}	Collector-Base Voltage	-40	V
V_{CEO}	Collector-Emitter Voltage	-40	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current -Continuous	-3	A
P_C	Collector Power Dissipation	1	W
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55-150	°C

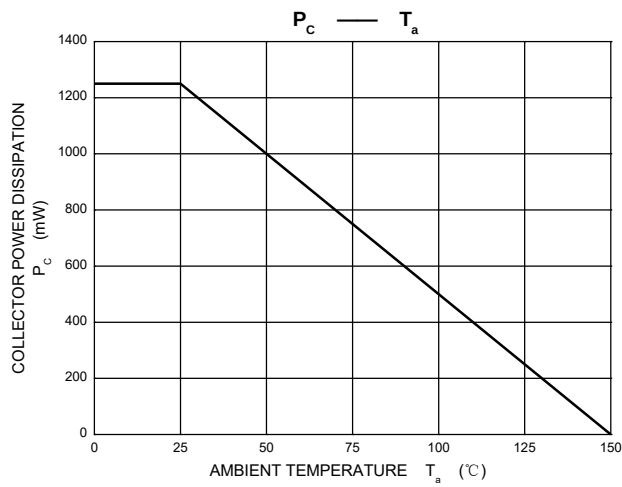
Electrical Characteristics(Ta=25°C unless otherwise specified)

Parameter	Symbol	Test conditions	Min	Typ	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

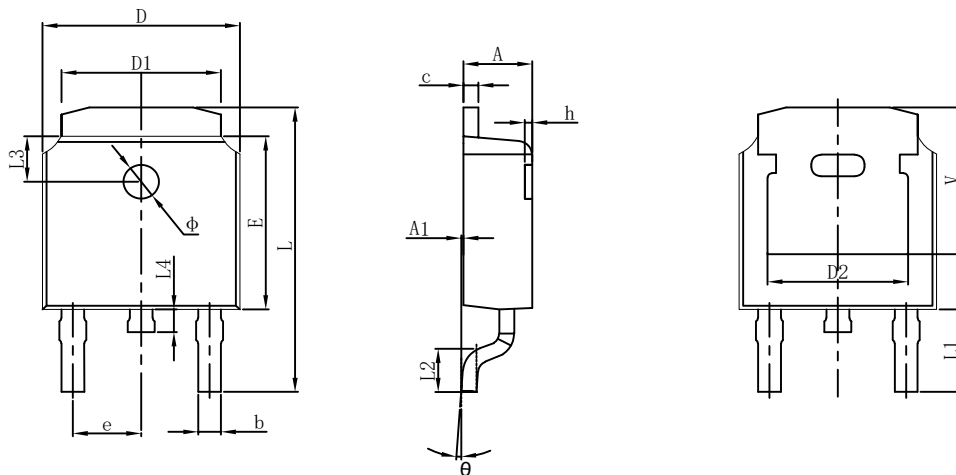


Typical Characteristics





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
Φ	1.100	1.300	0.043	0.051
θ	0 $^{\circ}$	8 $^{\circ}$	0 $^{\circ}$	8 $^{\circ}$
h	0.000	0.300	0.000	0.012
V	5.250 REF.		0.207 REF.	



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