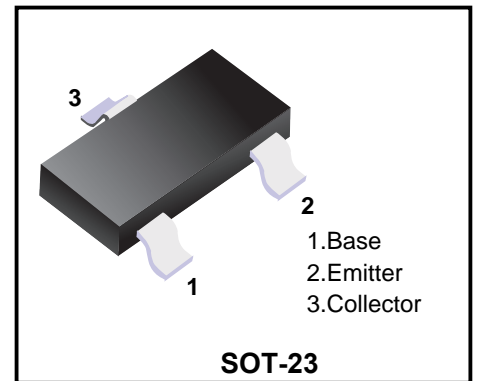


PNP Transistors

Features

Complimentary to D882



Absolute Maximum Ratings (Ta=25°C)

Parameter	Symbol	Value	Unit
Collector Base Voltage	-V _{CBO}	40	V
Collector Emitter Voltage	-V _{CEO}	25	V
Emitter Base Voltage	-V _{EBO}	6	V
Collector Current	-I _C	1.5	A
Power Dissipation	P _D	350	mW
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{STG}	-55 to 150	°C

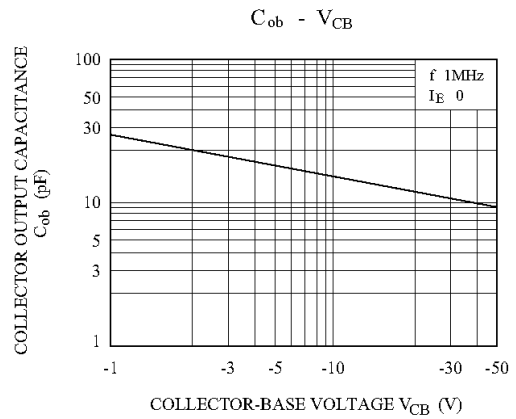
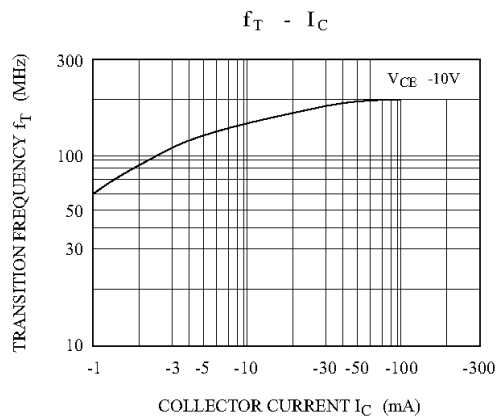
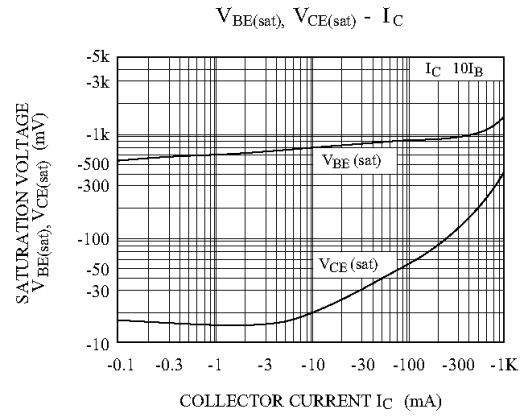
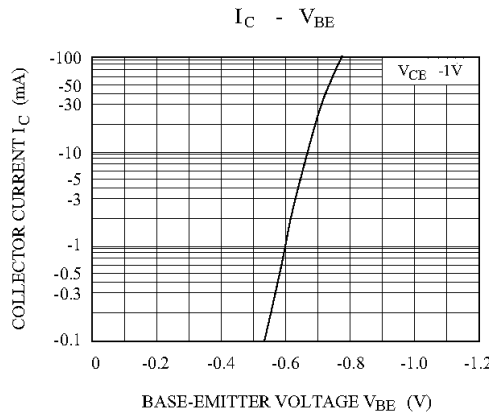
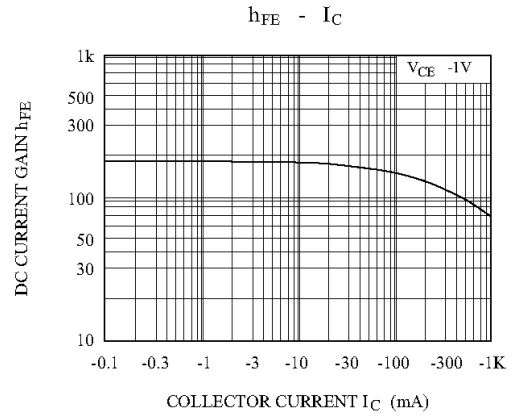
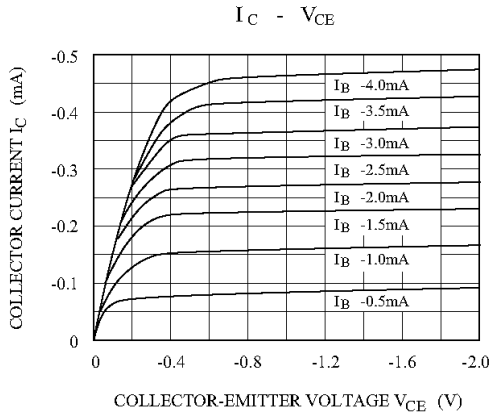
Electrical Characteristics (Ta=25°C unless otherwise specified.)

Parameter	Symbol	Min.	Typ.	Max.	Unit
DC Current Gain at -V _{CE} = 1 V, -I _C = 100 mA Current Gain Group at -V _{CE} = 1 V, -I _C = 800 mA	H _{FE}	160 40	-	320 -	
Collector Base Cutoff Current at -V _{CB} = 35 V	-I _{CBO}	-	-	100	nA
Emitter Base Cutoff Current at -V _{EB} = 6 V	-I _{EBO}	-	-	100	nA
Collector Base Breakdown Voltage at -I _C = 100 μA	-V _{(BR)CBO}	40	-	-	V
Collector Emitter Breakdown Voltage at -I _C = 2 mA	-V _{(BR)CEO}	25	-	-	V
Emitter Base Breakdown Voltage at -I _E = 100 μA	-V _{(BR)EBO}	6	-	-	V
Collector Emitter Saturation Voltage at -I _C = 800 mA, -I _B = 80 mA	-V _{CE(sat)}	-	-	0.5	V
Base Emitter Saturation Voltage at -I _C = 800 mA, -I _B = 80 mA	-V _{BE(sat)}	-	-	1.2	V
Base Emitter Voltage at -V _{CE} = 1 V, -I _B = 10 mA	-V _{BE(on)}	-	-	1	V
Transition Frequency at -V _{CE} = 10 V, -I _C = 50 mA	F _T	120	-	-	MHz

hFE Classification

Type	B772
Range	160-320

Typical Characteristics



Ordering information

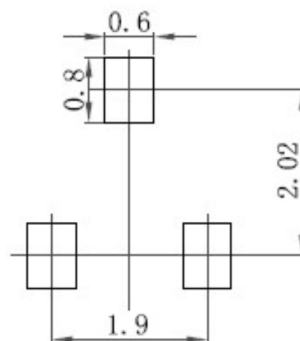
Package	Packing Description	Base Quantity	Packing Quantity
SOT-23	Tape/Reel,7"reel	3000pcs/Reel	24000PCS/Box 120000PCS/Carton

Package Dimensions

SOT-23

Dim.	Millimeter (mm)		mil	
	Min.	Max.	Min.	Max.
A	0.9	1.15	35	45
A1	0.1		3.9	
bp	0.38	0.48	15	19
C	0.09	0.15	3.54	5.9
D	2.8	3.0	110	118
E	1.2	1.4	47	55
E	1.9		75	
E1	0.95		37	
HE	2.1	2.55	83	100
Lp	0.15	0.45	5.9	18
Q	0.45	0.55	18	22
v	0.2		7.9	
W	0.1		4	

The recommended mounting pad size



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