

GSB772SS PNP EPITAXIAL PLANAR TRANSISTOR

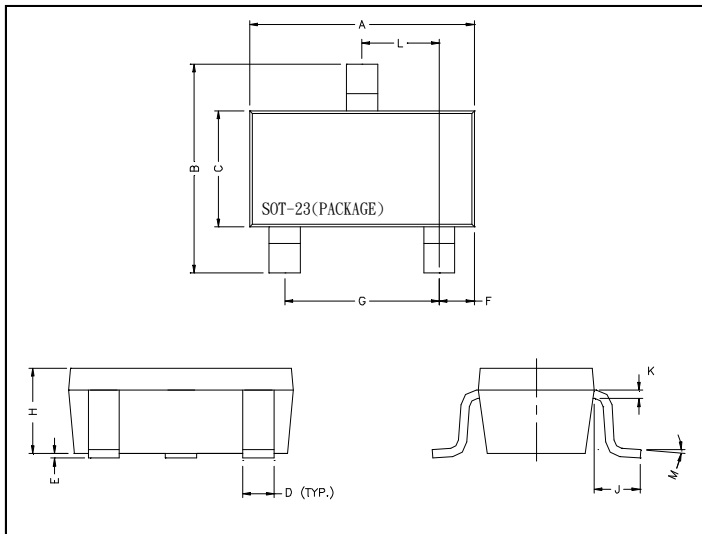
Description

The GSB772SS is a medium power low voltage transistor, designed for audio power amplifier, DC-DC converter and voltage regulator.

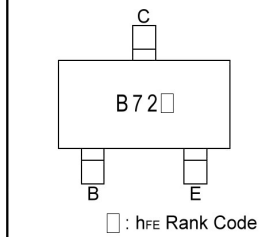
Features

- High current output up to -3A
- Low saturation voltage

Package Dimensions



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	1.90	REF.
B	2.40	2.80	H	1.00	1.30
C	1.40	1.60	K	0.10	0.20
D	0.35	0.50	J	0.40	-
E	0	0.10	L	0.85	1.15
F	0.45	0.55	M	0°	10°

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _J	+150	°C
Storage Temperature Range	T _{STG}	-55 ~ +150	°C
Collector to Base Voltage	V _{CB0}	-40	V
Collector to Emitter Voltage	V _{CEO}	-30	V
Emitter to Base Voltage	V _{EBO}	-5	V
Collect Current(DC)	I _C	-3	A
Total Power Dissipation	P _D	750	mW

Electrical Characteristics(Ta = 25°C)

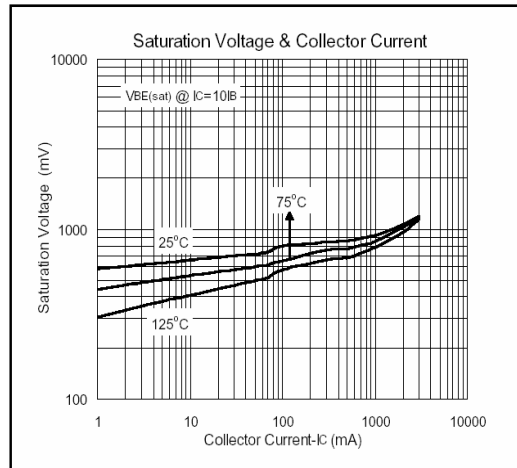
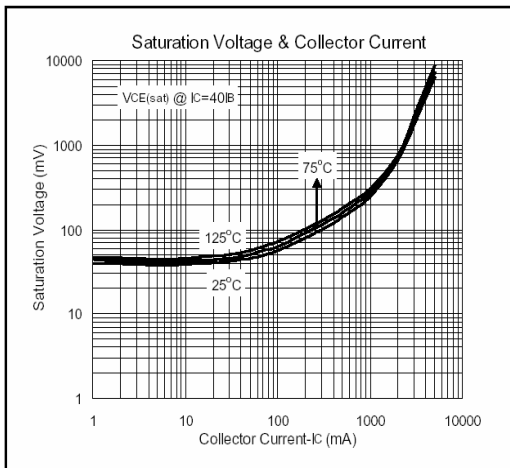
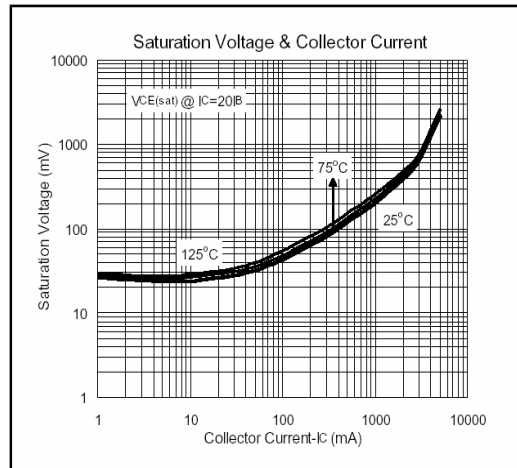
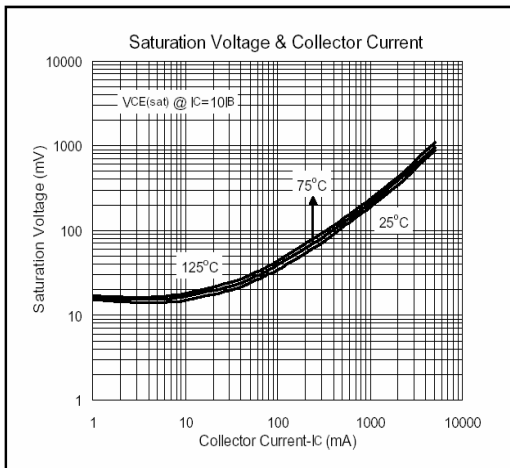
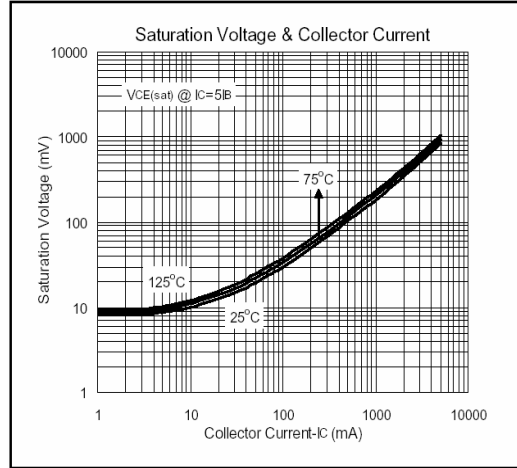
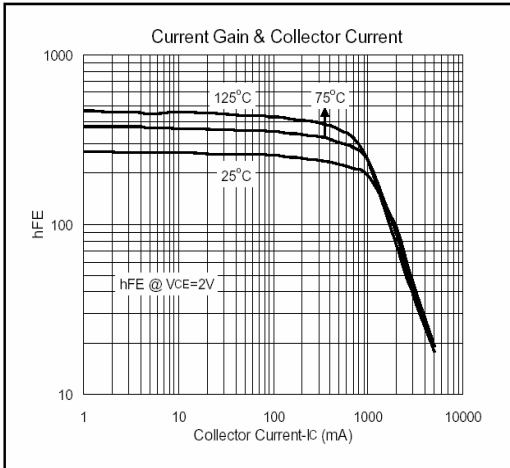
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V _{CB0}	-40	-	-	V	I _C =-100uA, I _E =0
V _{CEO}	-30	-	-	V	I _C =-1mA, I _B =0
V _{EBO}	-5	-	-	V	I _E =-10uA, I _C =0
I _{CB0}	-	-	-1	uA	V _{CB} =-30V, I _E =0
I _{EBO}	-	-	-1	uA	V _{EB} =-3V, I _C =0
*V _{CE(sat)}	-	-	-0.5	V	I _C =-2A, I _B =-200mA
*V _{BE(sat)}	-	-1.0	-2.0	V	I _C =-2A, I _B =-200mA
*h _{FE1}	30	-	-		V _{CE} =-2V, I _C =-20mA
*h _{FE2}	100	-	500		V _{CE} =-2V, I _C =-1A
f _T	-	80	-	MHz	V _{CE} =-5V, I _C =-100mA, f=100MHz
C _{ob}	-	55	-	pF	V _{CB} =-10V, f=1MHz

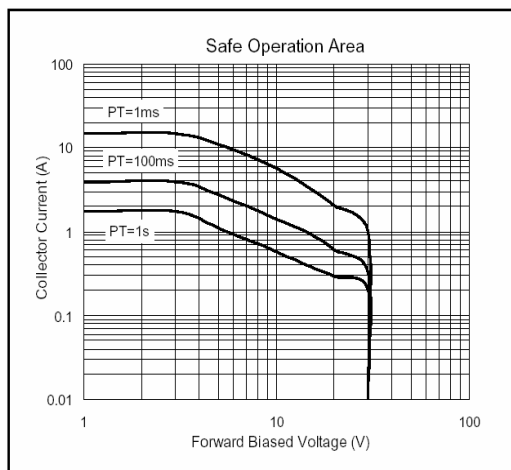
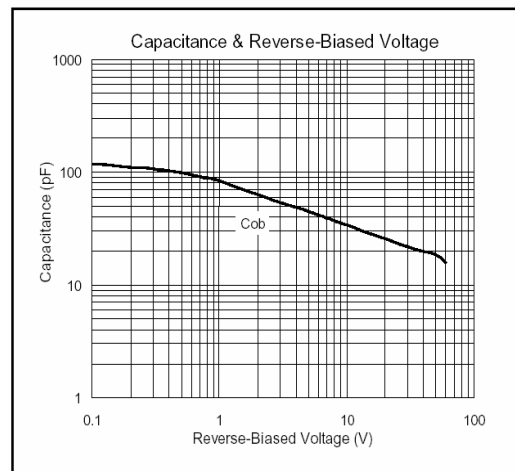
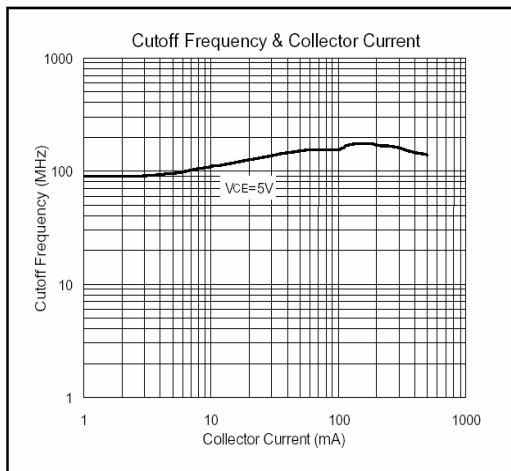
* Pulse Test: Pulse Width ≤ 380μs, Duty Cycle ≤ 2%

Classification Of hFE2

Rank	Q	P	E
Range	100 - 200	160 - 320	200 - 500

Characteristics Curve





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Head Office And Factory:

- **Taiwan:** No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
- TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China:** (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
- TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165