

GSB772SS

PNP EPITAXIAL PLANAR TRANSISTOR

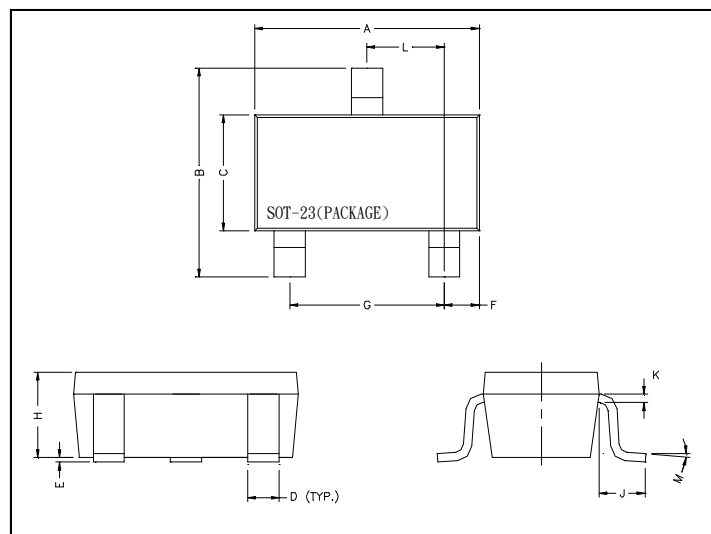
Description

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

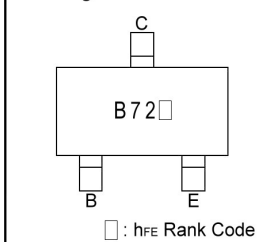
Features

- 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	Tj	+150	°C
Storage Temperature Range	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-40	V
Collector to Emitter Voltage	VCEO	-30	V
Emitter to Base Voltage	VEBO	-5	V
Collect Current(DC)	Ic	-3	A
Total Power Dissipation	Pd	750	mW

Electrical Characteristics(Ta = 25°C)

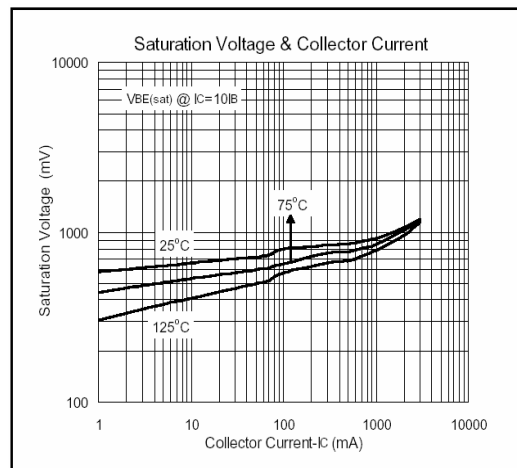
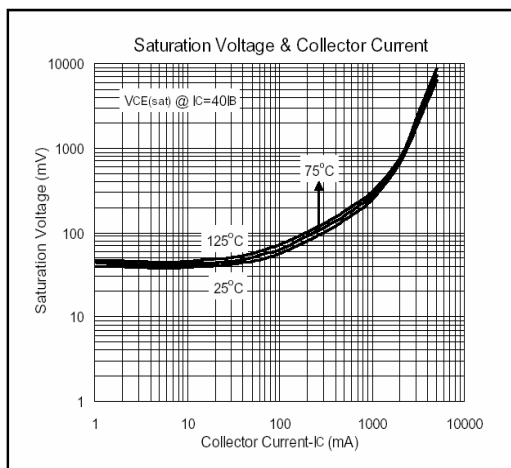
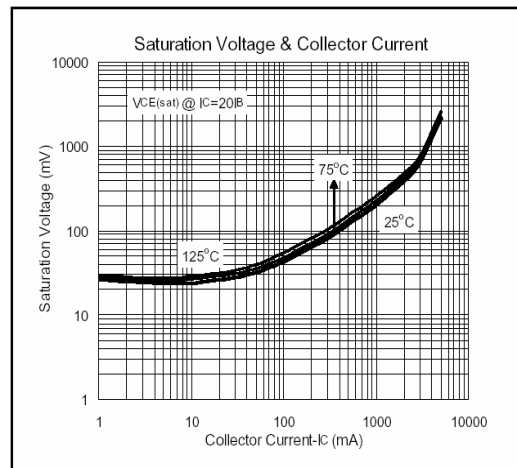
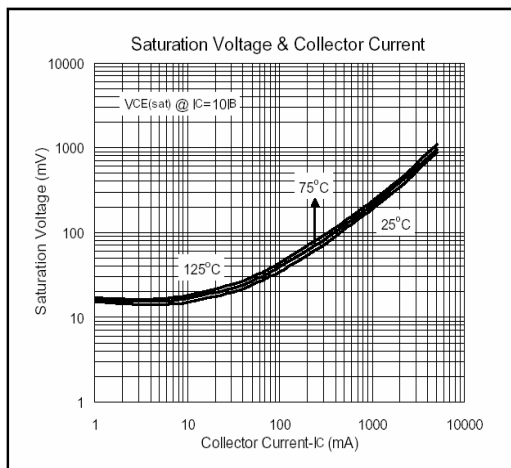
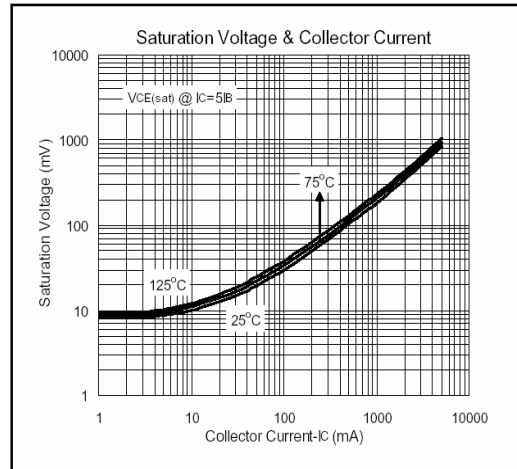
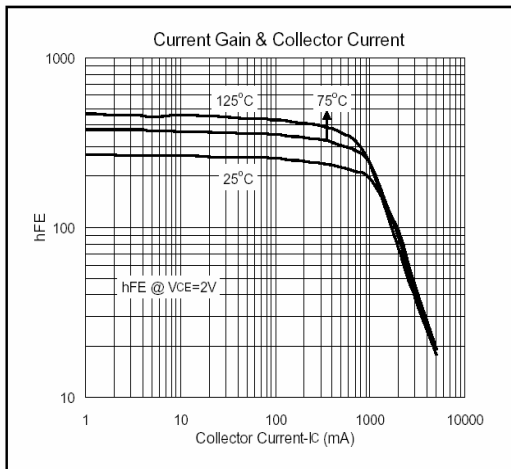
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-40	-	-	V	IC=-100uA, IE=0
BVCEO	-30	-	-	V	IC=-1mA, IB=0
BVEBO	-5	-	-	V	IE=-10uA, IC=0
ICBO	-	-	-1	uA	VCB=-30V, IE=0
IEBO	-	-	-1	uA	VEB=-3V, IC=0
*VCE(sat)	-	-	-0.5	V	IC=-2A, IB=-200mA
*VBE(sat)	-	-1.0	-2.0	V	IC=-2A, IB=-200mA
*hFE1	30	-	-		VCE=-2V, IC=-20mA
*hFE2	100	-	500		VCE=-2V, IC=-1A
fT	-	80	-	MHz	VCE=-5V, IC=-100mA, f=100MHz
Cob	-	55	-	pF	VCB=-10V, f=1MHz

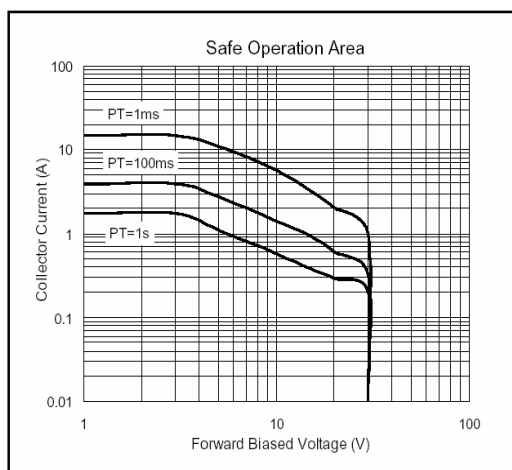
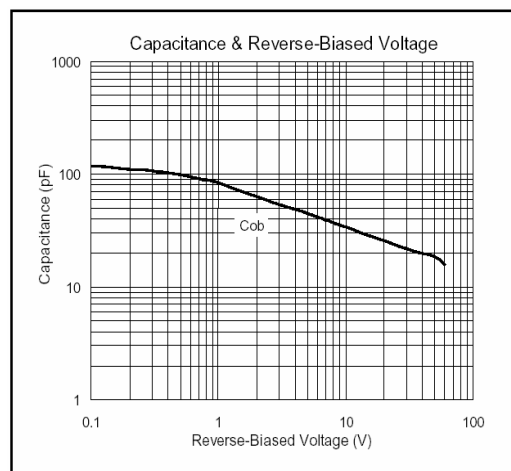
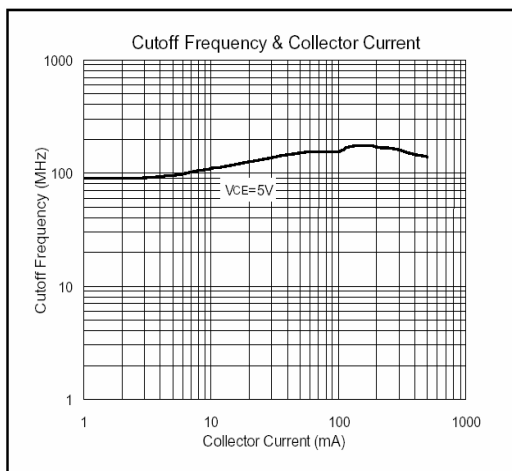
* Pulse Test: Pulse Width ≤ 380μs, Duty Cycle ≤ 2%

Classification Of hFE2

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

Characteristics Curve





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