

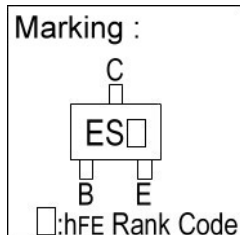
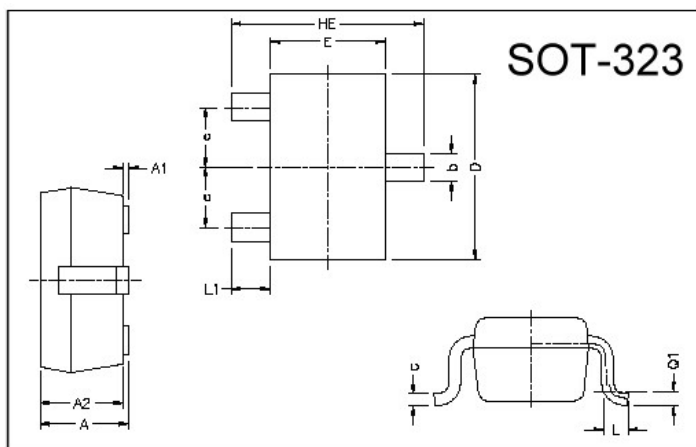
GSB1694

PNP EPITAXIAL TRANSISTOR

Description

The GSB1694 is designed for general purpose amplifier applications.

Package Dimensions



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42 REF.	
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65 REF.	
HE	1.80	2.40	Q1	0.15 BSC.	

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	Vcbo	-30	V
Collector to Emitter Voltage	Vceo	-30	V
Emitter to Base Voltage	Vebo	-6	V
Collector Current	Ic	-1	A
Total Power Dissipation	Pd	225	mW

Electrical Characteristics (Ta = 25°C, unless otherwise noted)

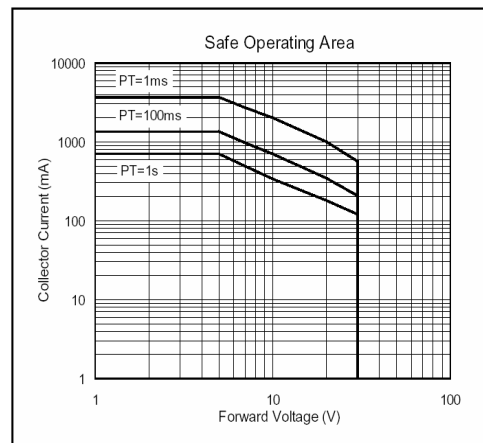
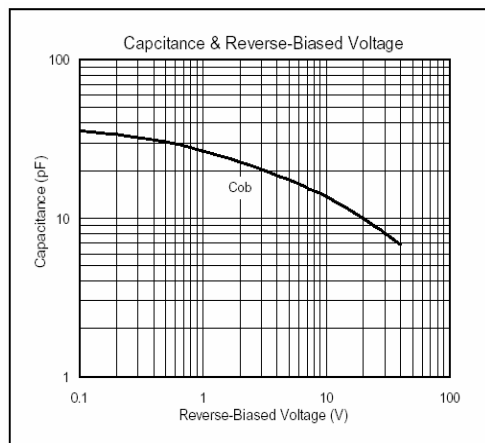
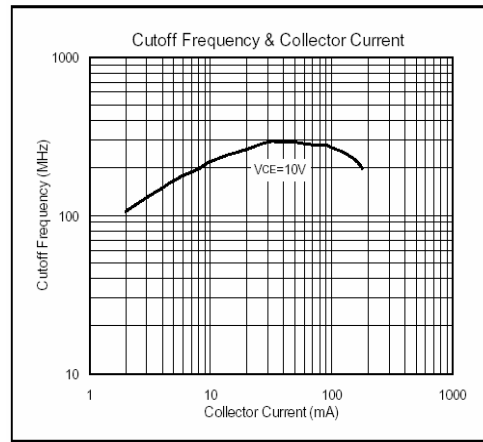
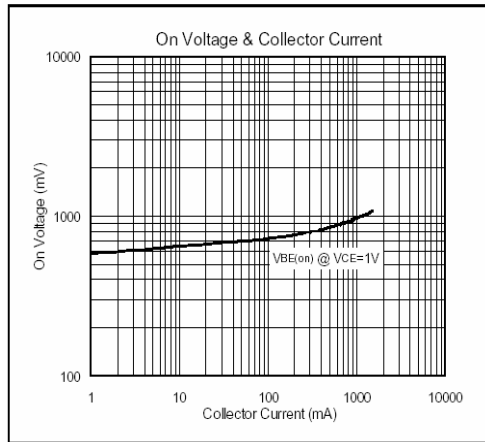
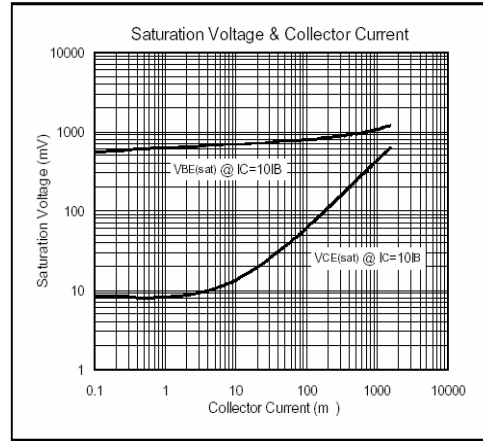
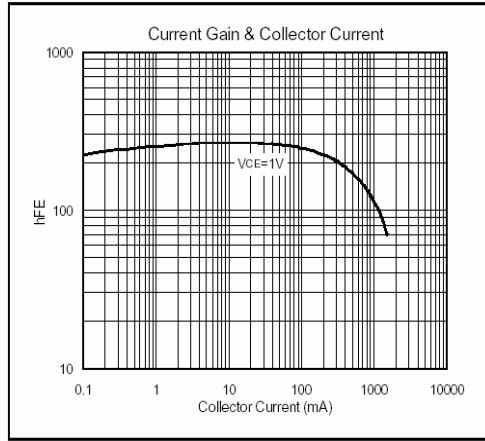
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVcbo	-30	-	-	V	Ic=-10uA, IE=0
BVceo	-30	-	-	V	Ic=-1mA, IB=0
BVebo	-6	-	-	V	IE=-10uA, Ic=0
Icbo	-	-	-100	nA	Vcb=-30V, IE=0
IEBO	-	-	-100	nA	VEB=-6V, Ic=0
VCE(sat)	-	-	-380	mV	Ic=-500mA, IB=-25mA
*hFE	120	-	500		Vce=-2V, Ic=-100mA
*fT	-	320	-	MHz	Vce=-2V, IE=100mA, f=100MHz
Cob	-	7	-	pF	Vcb=-10V, f=1MHz

*Pulsed Test

Classification Of hFE

Rank	ESC	ESD	ESE
Range	100 ~ 200	160 ~ 300	250 ~ 500

Characteristics Curve



Important Notice:

- All rights are reserved. Reproduction in whole or in part is prohibited without the prior written approval of GTM.
- GTM reserves the right to make changes to its products without notice.
- GTM semiconductor products are not warranted to be suitable for use in life-support Applications, or systems.
- GTM assumes no liability for any consequence of customer product design, infringement of patents, or application assistance.

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