

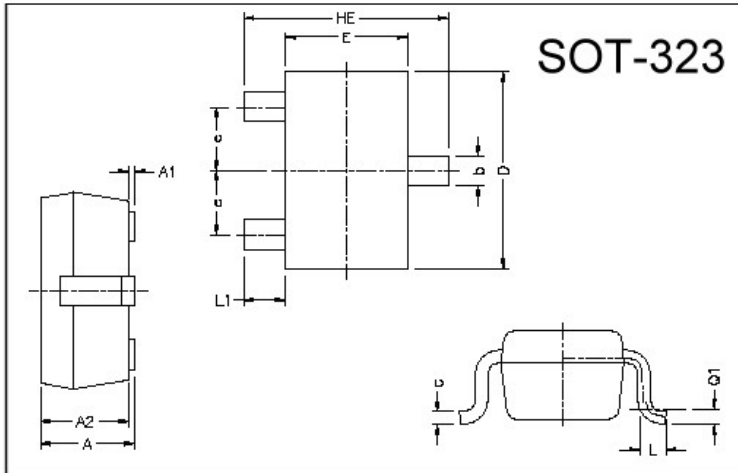
## GSB1694

### PNP EPITAXIAL TRANSISTOR

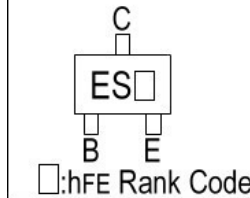
#### Description

The GSB1694 is designed for general purpose amplifier applications.

#### Package Dimensions



Marking :



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)

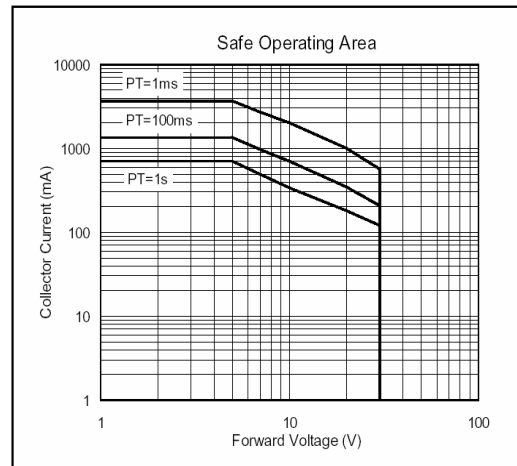
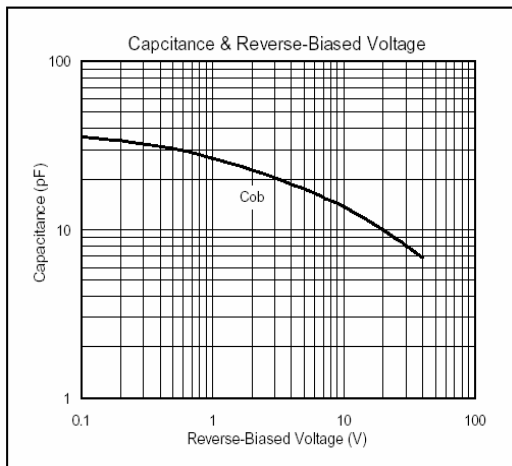
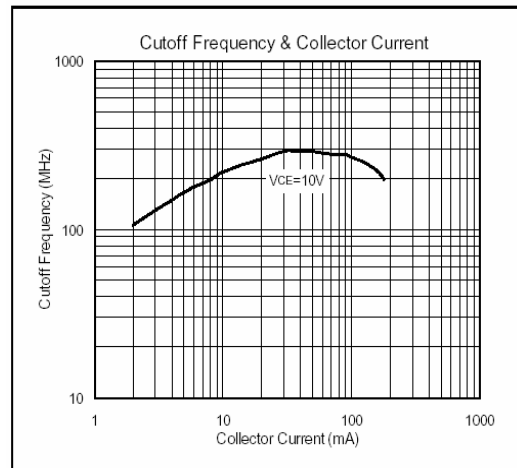
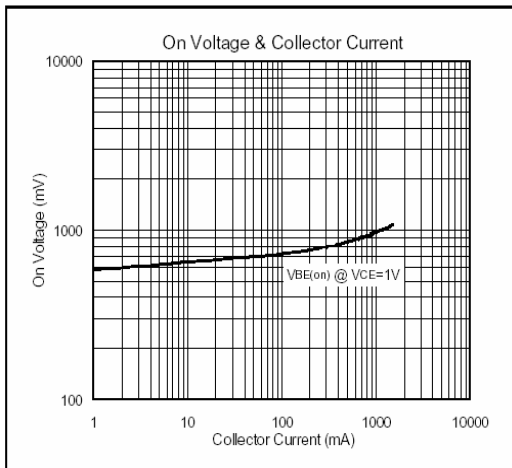
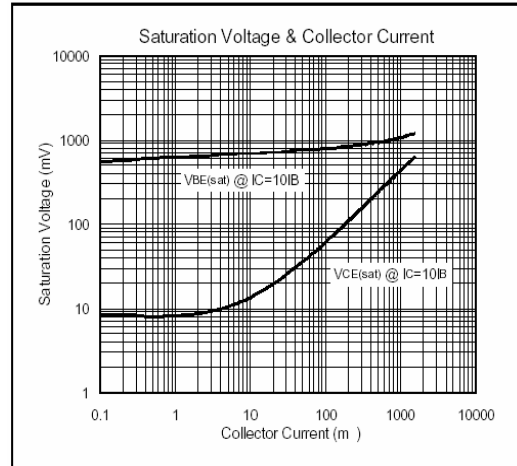
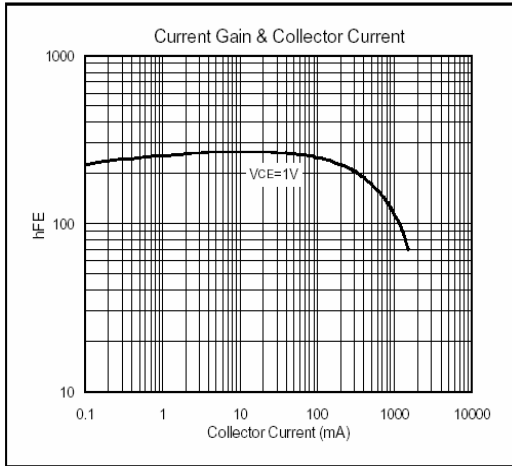
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVcbo	-30	-	-	V	Ic=-10uA, IE=0
BVceo	-30	-	-	V	Ic=-1mA, Ib=0
BVebo	-6	-	-	V	IE=-10uA, Ic=0
Icbo	-	-	-100	nA	Vcb=-30V, IE=0
IEBO	-	-	-100	nA	VEB=-6V, Ic=0
VCE(sat)	-	-	-380	mV	Ic=-500mA, Ib=-25mA
*hFE	120	-	500		VCE=-2V, Ic=-100mA
*fT	-	320	-	MHz	VCE=-2V, IE=100mA,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



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