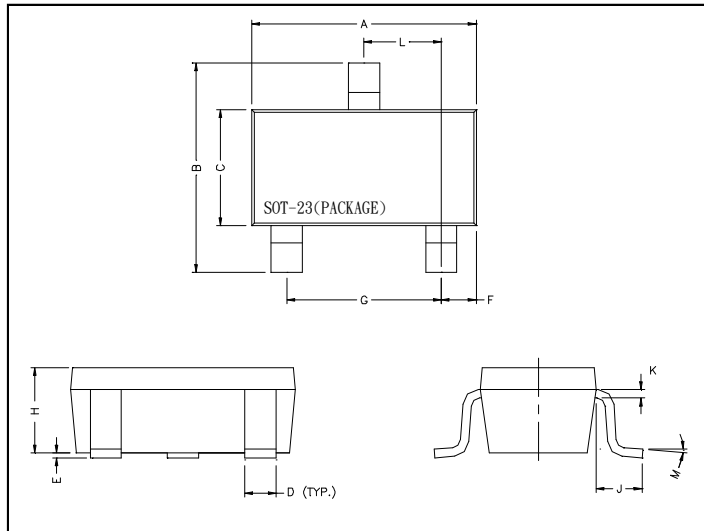
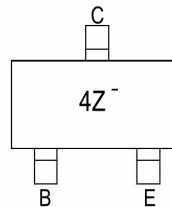


GMBTA94**PNP EPITAXIAL PLANAR TRANSISTOR****Description**

The GMBTA94 is designed for application requires high 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°

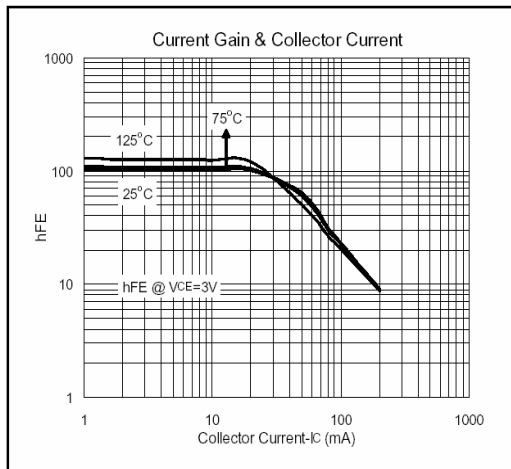
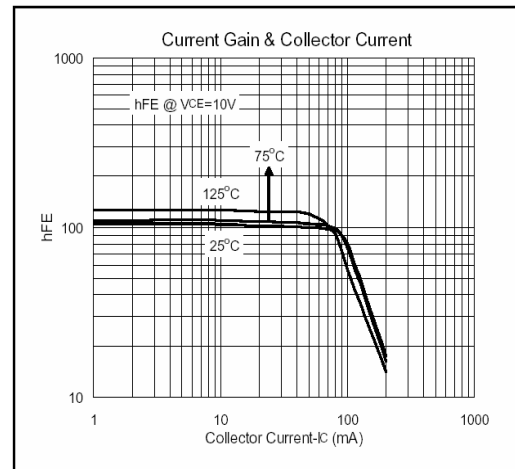
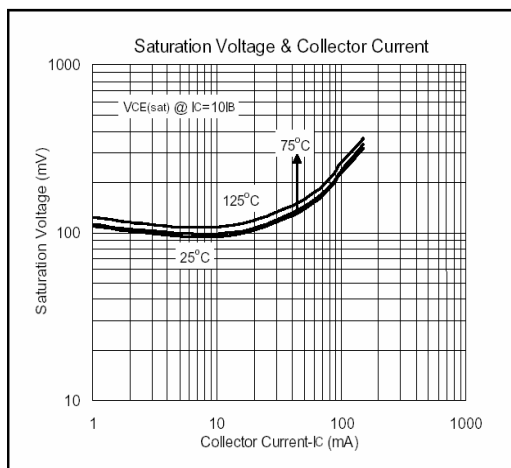
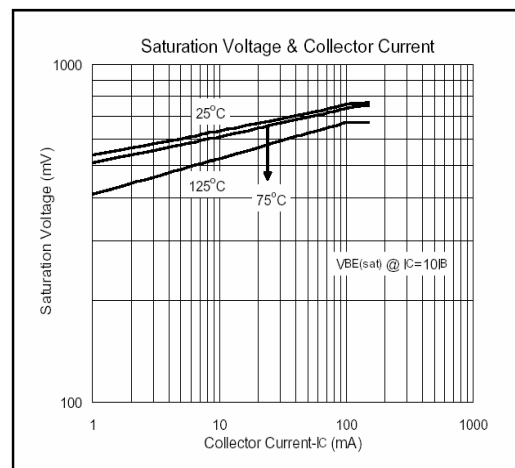
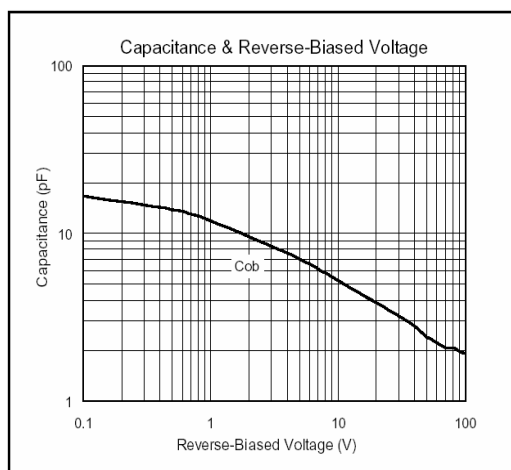
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _J	+150	°C
Storage Temperature	T _{stg}	-55~+150	°C
Collector to Base Voltage	V _{CB0}	-400	V
Collector to Emitter Voltage	V _{CEO}	-400	V
Emitter to Base Voltage	V _{EBO}	-6	V
Collector Current	I _c	-300	mA
Total Power Dissipation	P _D	350	mW

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

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV _{CB0}	-400	-	-	V	I _c =-100uA, I _E =0
BV _{CEO}	-400	-	-	V	I _c =-1mA, I _B =0
BV _{EBO}	-6	-	-	V	I _E =-10uA, I _c =0
I _{CB0}	-	-	-100	nA	V _{CB} =-400V, I _E =0
I _{EBO}	-	-	-100	nA	V _{EB} =-4V, I _c =0
I _{CES}	-	-	-500	nA	V _{CE} =-400V
V _{CE(sat)1}	-	-	-350	mV	I _c =-1mA, I _B =-0.1mA
V _{CE(sat)2}	-	-	-500	mV	I _c =-20mA, I _B =-2mA
V _{CE(sat)3}	-	-	-750	mV	I _c =-50mA, I _B =-5mA
V _{BE(sat)}	-	-	-750	mV	I _c =-10mA, I _B =-1mA
h _{FE1}	40	-	-		V _{CE} =-10V, I _c =-1mA
h _{FE2}	50	-	300		V _{CE} =-10V, I _c =-10mA
h _{FE3}	45	-	-		V _{CE} =-10V, I _c =-50mA
h _{FE4}	20	-	-		V _{CE} =-10V, I _c =-100mA

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