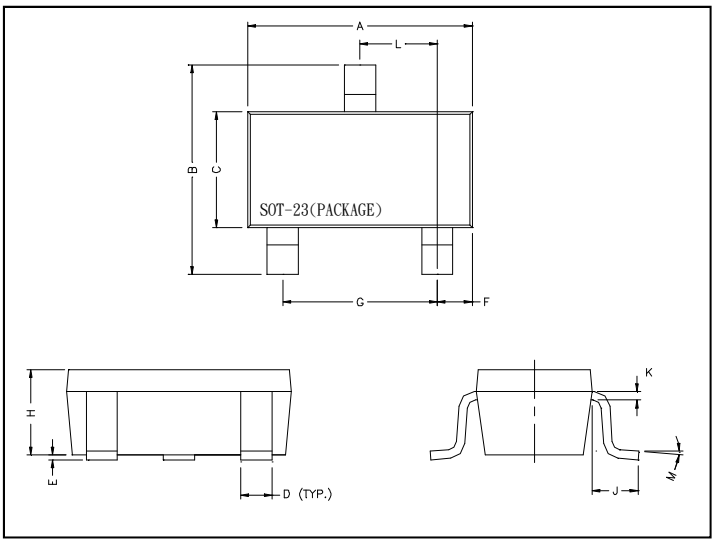
GMBTA94

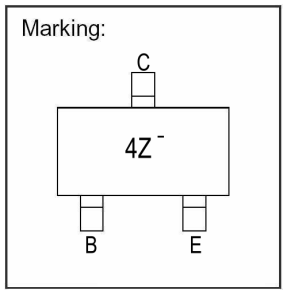
PNP EPITAXIAL PLANAR TRANSISTOR

Description

The GMBTA94 is designed for application requires high voltage.

Package Dimensions





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°

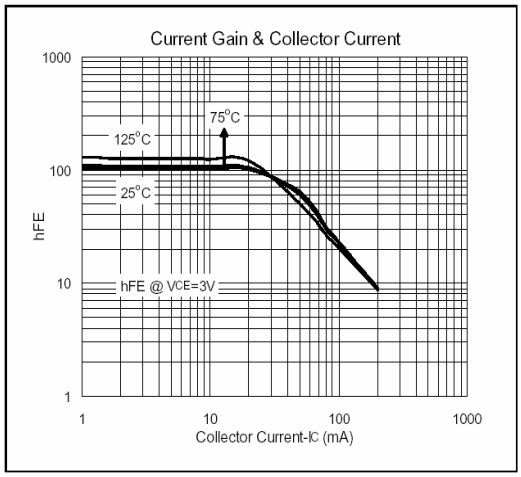
Absolute Maximum Ratings at Ta = 25℃

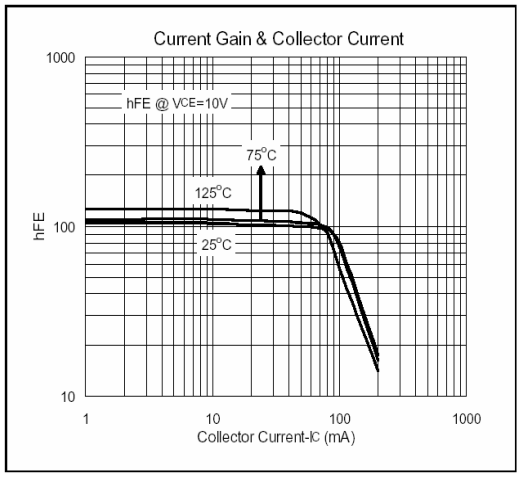
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	℃
Storage Temperature	Tstg	-55~+150	℃
Collector to Base Voltage	V_{CBO}	-400	V
Collector to Emitter Voltage	V_{CEO}	-400	V
Emitter to Base Voltage	V_{EBO}	-6	V
Collector Current	I_C	-300	mA
Total Power Dissipation	P_D	350	mW

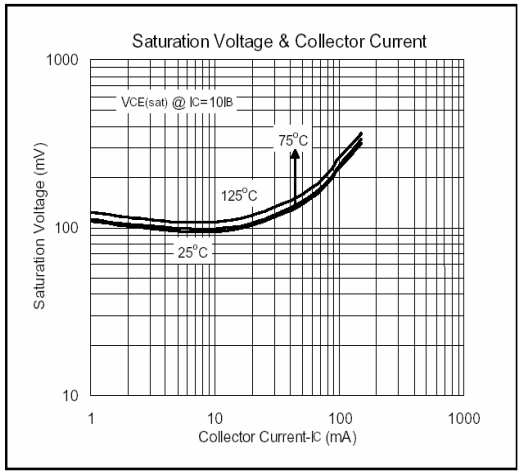
Electrical Characteristics (Ta = 25℃, unless otherwise noted)

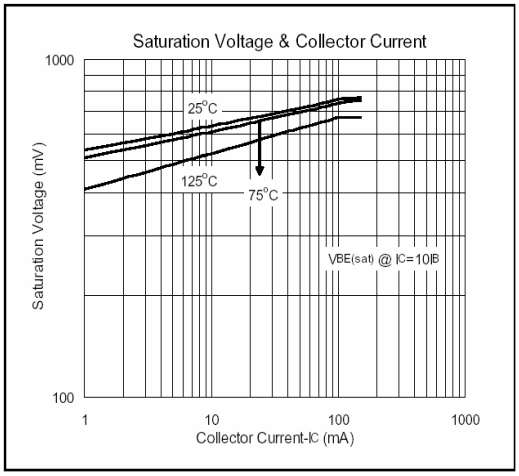
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV_{CBO}	-400	-	-	V	I_C=-100uA, I_E=0
BV_{CEO}	-400	-	-	V	I_C=-1mA, I_B=0
BV_{EBO}	-6	-	-	V	I_E=-10uA, I_C=0
I_{CBO}	-	-	-100	nA	V_{CB}=-400V, I_E=0
I_{EBO}	-	-	-100	nA	V_{EB}=-4V, I_C=0
I_{CES}	-	-	-500	nA	V_{CE}=-400V
$V_{CE(sat)}1$	-	-	-350	mV	I_C=-1mA, I_B=-0.1mA
$V_{CE(sat)}2$	-	-	-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
$h_{FE}1$	40	-	-		V_{CE}=-10V, I_C=-1mA
$h_{FE}2$	50	-	300		V_{CE}=-10V, I_C=-10mA
$h_{FE}3$	45	-	-		V_{CE}=-10V, I_C=-50mA
$h_{FE}4$	20	-	-		V_{CE}=-10V, I_C=-100mA

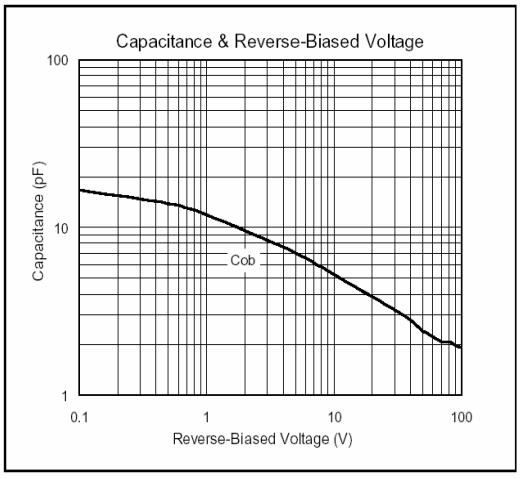
Characteristics Curve











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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