

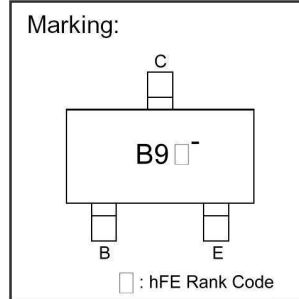
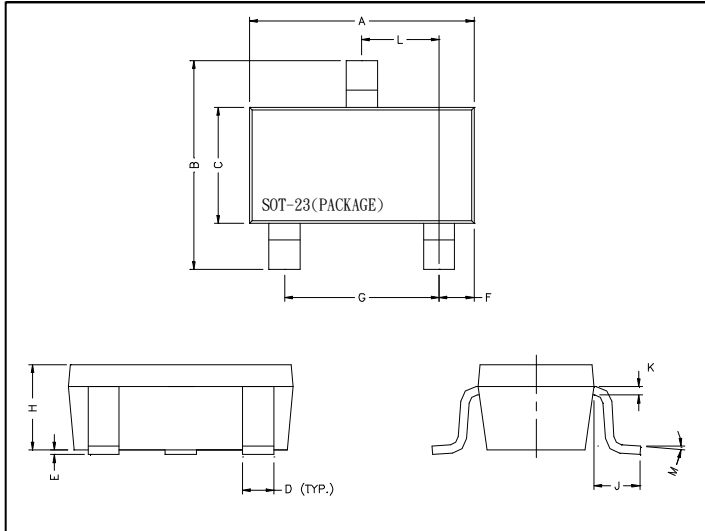
GMBT8550

PNP EPITAXIAL TRANSISTOR

Description

The GMBT8550 is designed for general purpose amplifier applications.

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°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+150	°C
Storage Temperature	T _{stg}	-55 ~ +150	°C
Collector to Base Voltage	V _{CB0}	-25	V
Collector to Emitter Voltage	V _{CE0}	-20	V
Emitter to Base Voltage	V _{EB0}	-5	V
Collector Current	I _C	-700	mA
Total Power Dissipation	P _D	225	mW

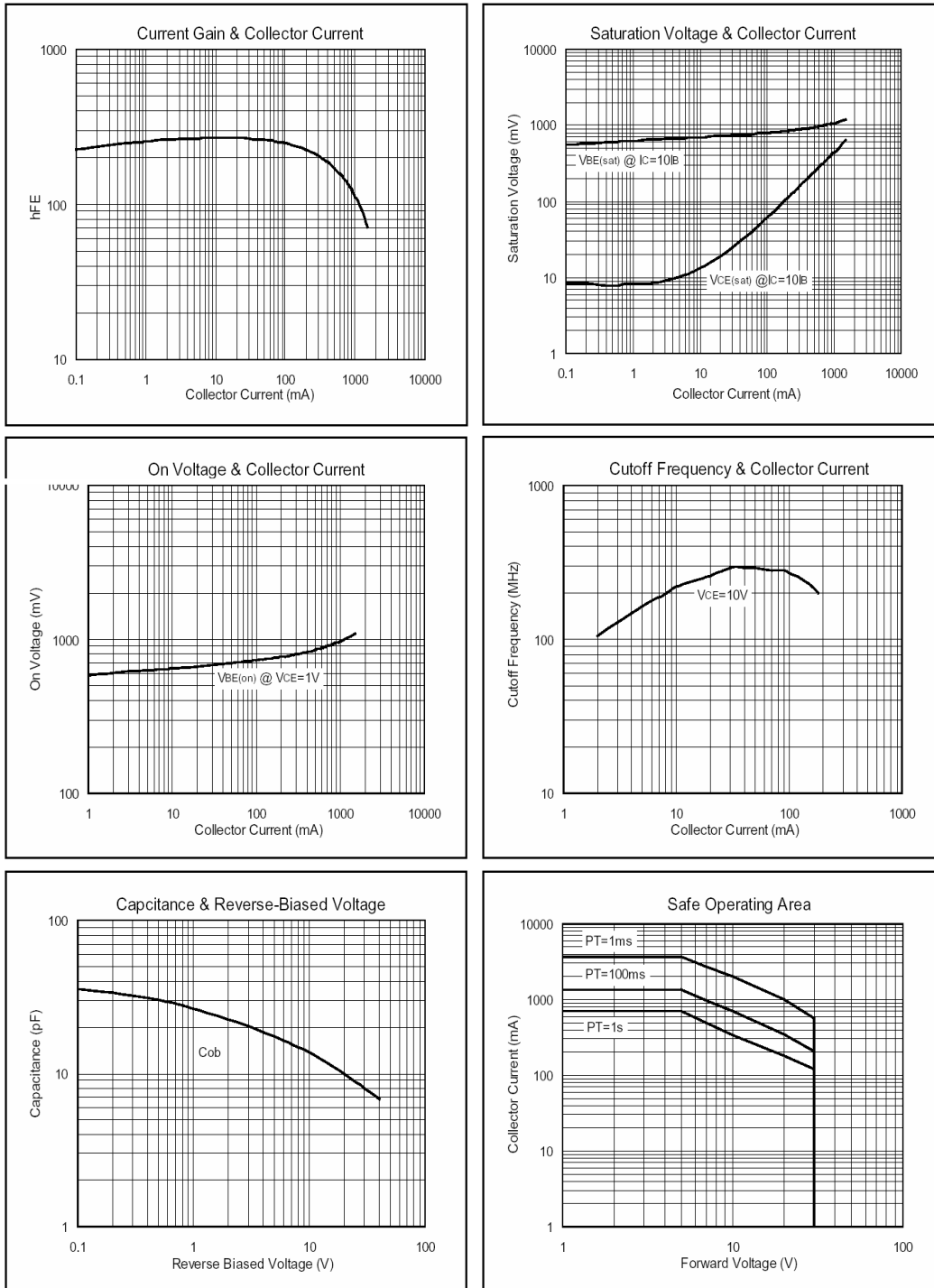
Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V _{CB0}	-25	-	-	V	I _C =-10uA
V _{CE0}	-20	-	-	V	I _C =-1mA
V _{EB0}	-5	-	-	V	I _E =-10uA
I _{CB0}	-	-	-1	uA	V _{CB} =-20V
I _{EB0}	-	-	-100	nA	V _{EB} =-6V
V _{CE(sat)}	-	-	-500	mV	I _C =-500mA, I _B =-50mA
V _{BE(on)}	-	-	-1	V	V _{CE} =-1V, I _C =-150mA
hFE	100	-	500		V _{CE} =-1V, I _C =-150mA
f _T	150	-	-	MHz	V _{CE} =-10V, I _C =-20mA, f=100MHz
C _{ob}	-	-	10	pF	V _{CB} =-10V, f=1MHz

Classification Of hFE

Rank	B9C	B9D	B9E
hFE	100 - 200	150 - 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