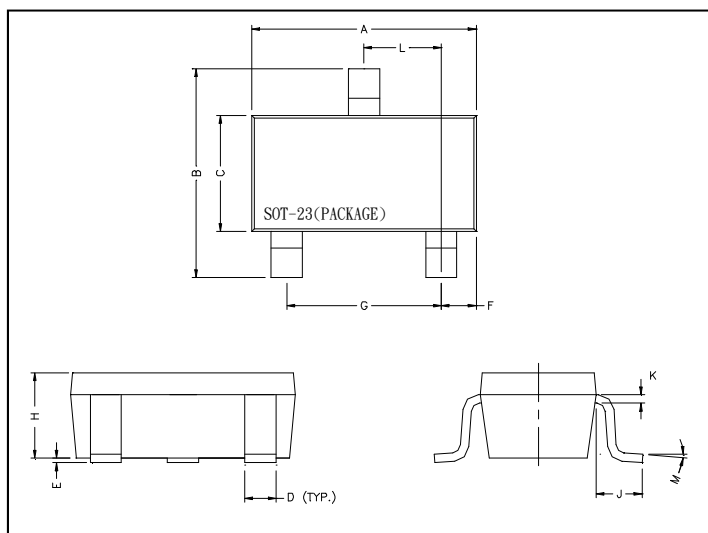
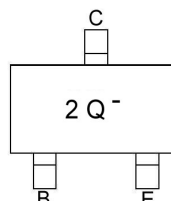


GMBT5087**PNP EPITAXIAL PLANAR TRANSISTOR****Description**

The GMBT5087 is designed for low noise, high gain and general purpose amplifier applications.

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

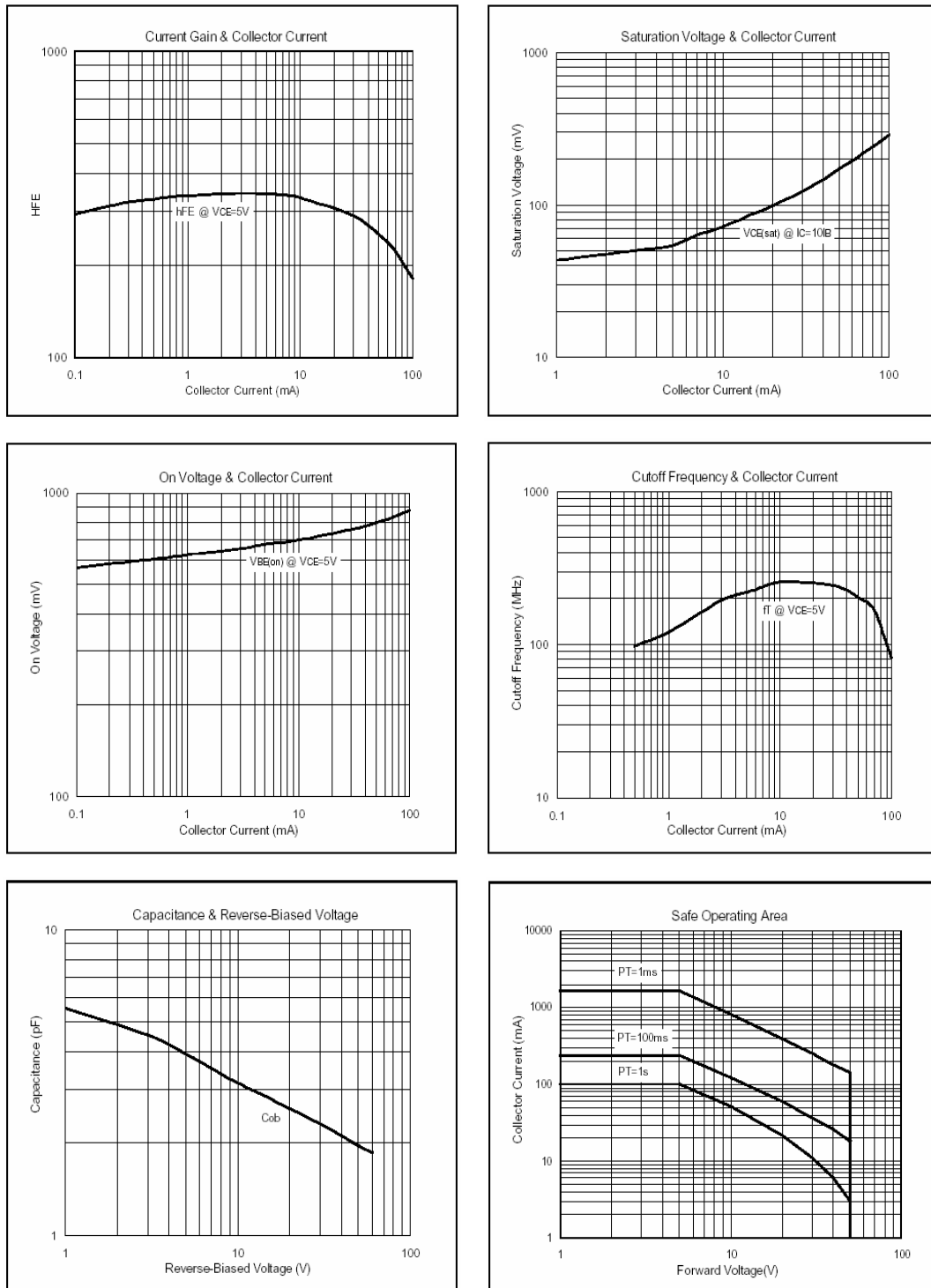
Parameter	Symbol	Ratings	Unit
Junction Temperature	T _j	+150	°C
Storage Temperature	T _{stg}	-55~+150	°C
Collector to Base Voltage	V _{CB0}	-50	V
Collector to Emitter Voltage	V _{CEO}	-50	V
Emitter to Base Voltage	V _{EBO}	-3	V
Collector Current	I _C	-50	mA
Total Power Dissipation	P _D	225	mW

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

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
V _{VCBO}	-50	-	-	V	I _C =-100uA, I _E =0
V _{VCEO}	-50	-	-	V	I _C =-1mA, I _B =0
V _{VEBO}	-3	-	-	V	I _E =-10uA, I _C =0
I _{CB01}	-	-	-10	nA	V _{CB} =-10V, I _E =0
I _{CB02}	-	-	-50	nA	V _{CB} =-35V, I _E =0
*V _{CE(sat)}	-	-	-300	mV	I _C =-10mA, I _B =-1mA
*V _{BE(sat)}	-	-	-850	mV	I _C =-10mA, I _B =-1mA
*h _{FE1}	250	-	800		V _{CE} =-5V, I _C =-0.1mA
*h _{FE2}	250	-	-		V _{CE} =-5V, I _C =-1mA
*h _{FE3}	250	-	-		V _{CE} =-5V, I _C =-10mA
f _T	40	-	-	MHz	V _{CE} =-5V, I _C =-0.5mA, f=100MHz
C _{ob}	-	-	4.0	pF	V _{CB} =-5V, f=100kHz

* Pulse Test: Pulse Width ≤ 380μs, Duty Cycle ≤ 2%

Characteristics Curve



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