

GMBT4403

PNP EPITAXIAL PLANAR TRANSISTOR

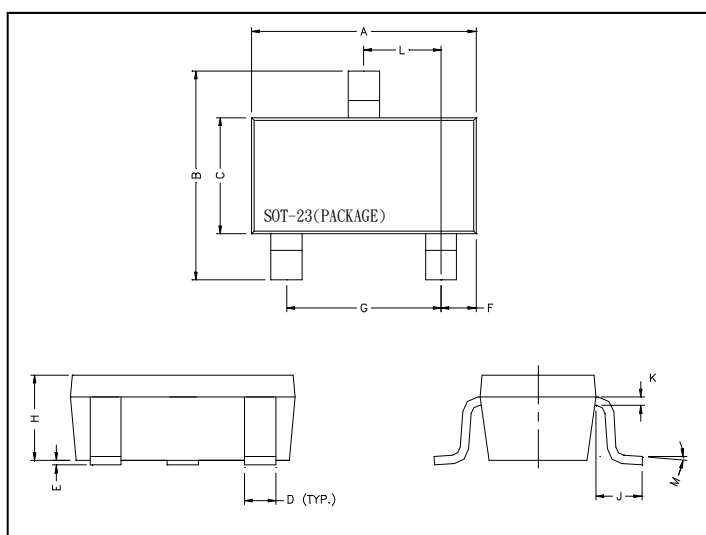
Description

The GMBT4403 is designed for general purpose applications requiring high breakdown voltage.

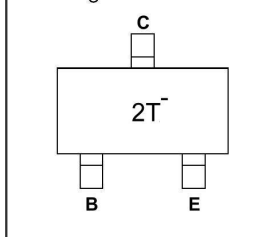
Features

- High DC Current Gain: 100-300 at 150mA
- Complementary to GMBT4401

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

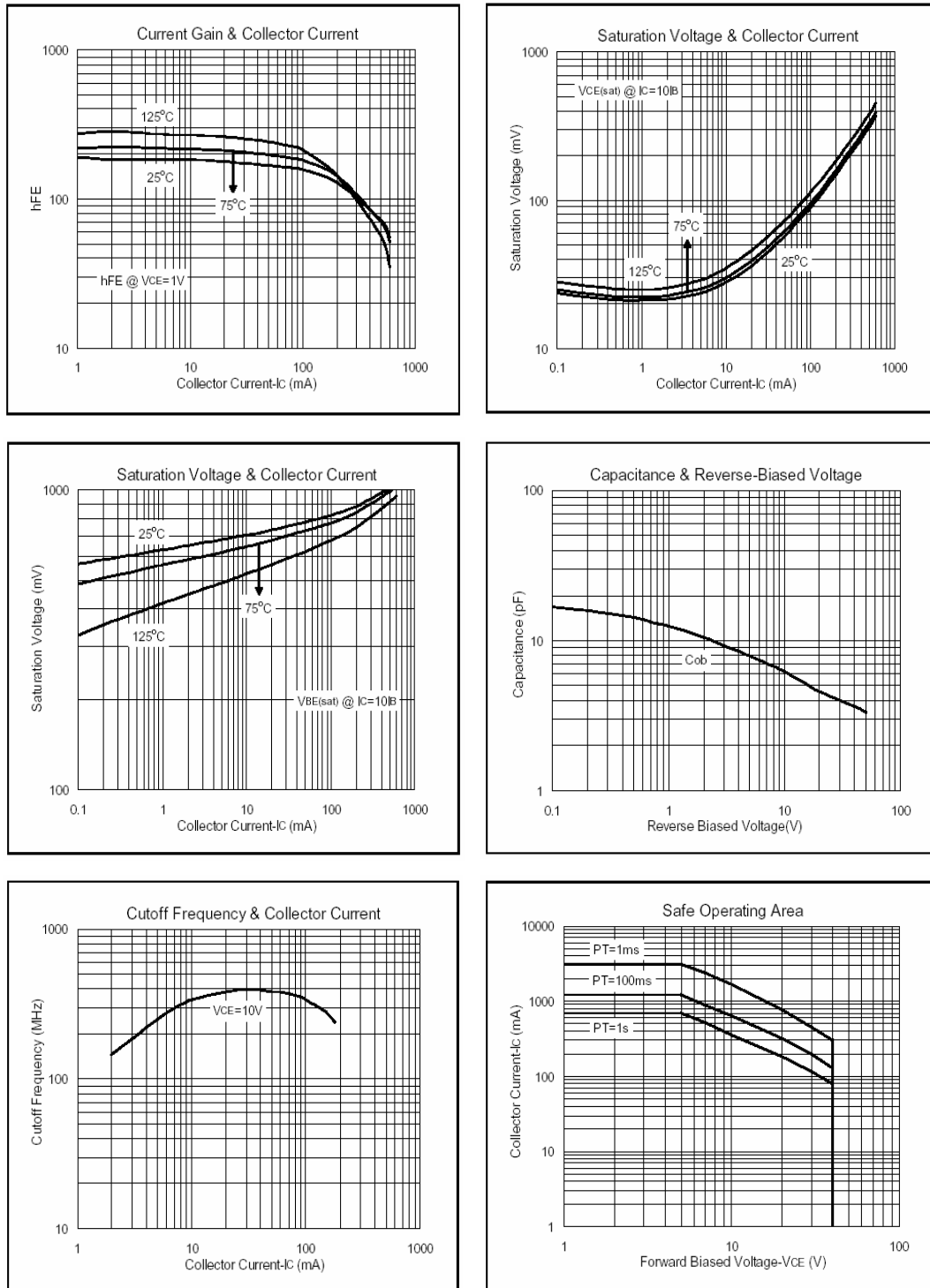
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-40	V
Collector to Emitter Voltage	VCEO	-40	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	IC	-600	mA
Total Power Dissipation	PD	225	mW

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

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-40	-	-	V	IC=-100uA
BVCEO	-40	-	-	V	IC=-1mA
BVEBO	-5	-	-	V	IE=-10uA
ICEX	-	-	-100	nA	VCE=-35V, VBE=-0.4V
*VCE(sat)1	-	-	-400	mV	IC=-150mA, IB=-15mA
*VCE(sat)2	-	-	-750	mV	IC=-500mA, IB=-50mA
*VBE(sat)1	-	-	-950	mV	IC=-150mA, IB=-15mA
*VBE(sat)2	-	-	-1.3	V	IC=-500mA, IB=-50mA
*hFE1	30	-	-		VCE=-1V, IC=-0.1mA
*hFE2	60	-	-		VCE=-1V, IC=-1mA
*hFE3	100	-	-		VCE=-1V, IC=-10mA
*hFE4	100	-	300		VCE=-2V, IC=-150mA
*hFE5	20	-	-		VCE=-2V, IC=-500mA
fT	200	-	-	MHz	VCE=-10V, IC=-20mA, f=100MHz
Cob	-	-	8.5	pF	VCE=-10V, f=1MHz

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

Characteristics Curve



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