

GTM CORPORATION

GMBT5401 PNP EPITAXIAL PLANAR TRANSISTOR

Description

The GMBT5401 is designer for general purpose applications requiring high breakdown voltages.

Package Dimensions

SOT-23

SOT-23(PACKAGE)

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

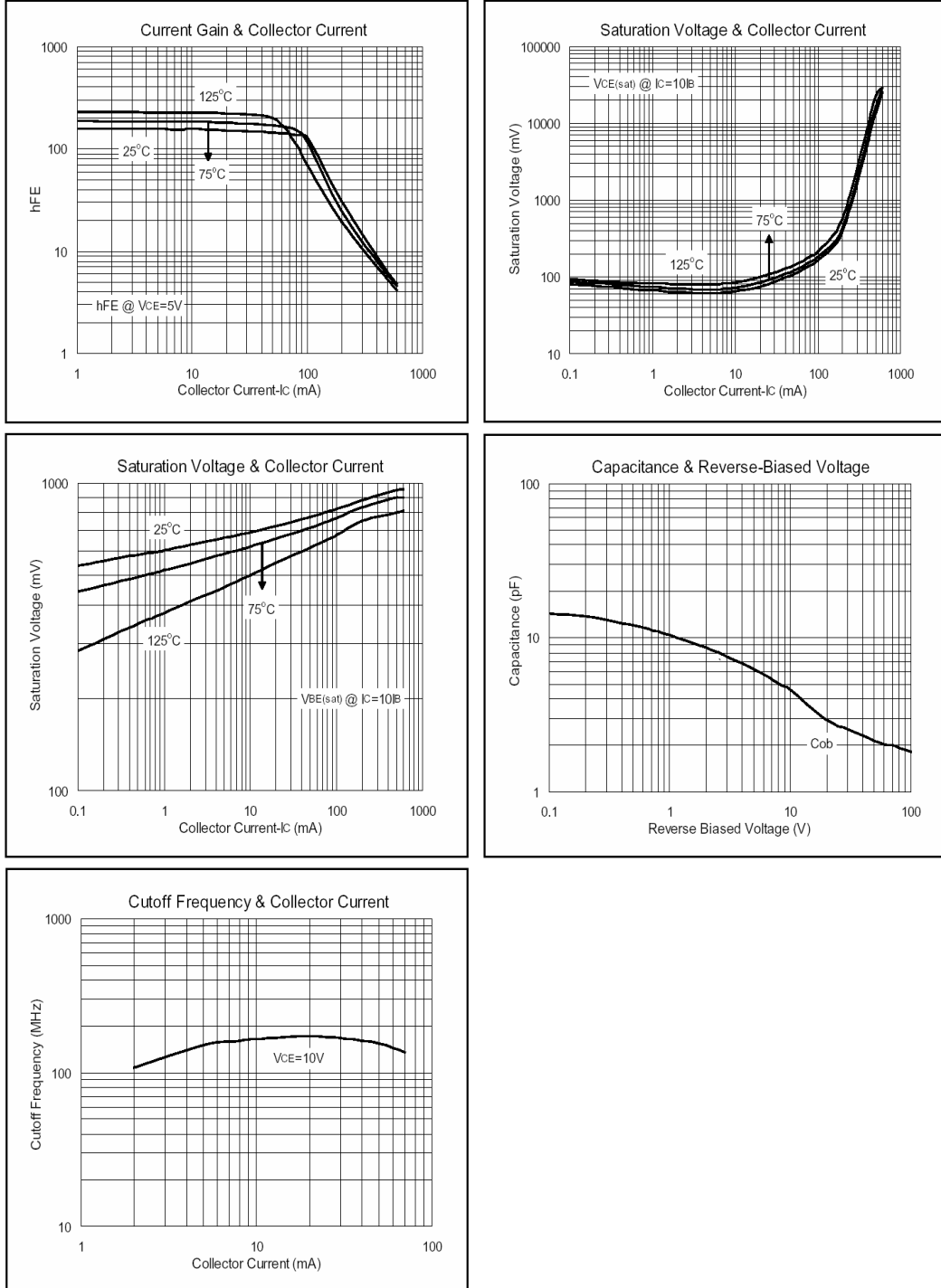
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-160	V
Collector to Emitter Voltage	VCEO	-150	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current	IC	-600	mA
Total Power Dissipation	PD	225	mW

Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-160	-	-	V	IC=-100uA, IE=0
BVCEO	-150	-	-	V	IC=-1mA, IB=0
BVEBO	-5	-	-	V	IE=-10uA, IC=0
ICBO	-	-	-50	nA	VCB=-120V, IE=0
VCE(sat)1	-	-	-200	mV	IC=-10mA, IB= -1mA
VCE(sat)2	-	-	-500	mV	IC=-50mA, IB= -5mA
VBE(sat)1	-	-	-1	V	IC=-10mA, IB= -1mA
VBE(sat)2	-	-	-1	V	IC=-50mA, IB= -5mA
hFE1	50	-	-		VCE=-5V, IC= -1mA
hFE2	60	-	240		VCE=-5V, IC= -10mA
hFE3	50	-	-		VCE=-5V, IC= -50mA
fT	100	-	300	MHz	VCE=-10V, IC= -10mA, f=100MHz
Cob	-	-	6	pF	VCB=-10V, f=1MHz



Characteristics Curve



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