

GTM CORPORATION

ISSUED DATE :2004/04/23
REVISED DATE :

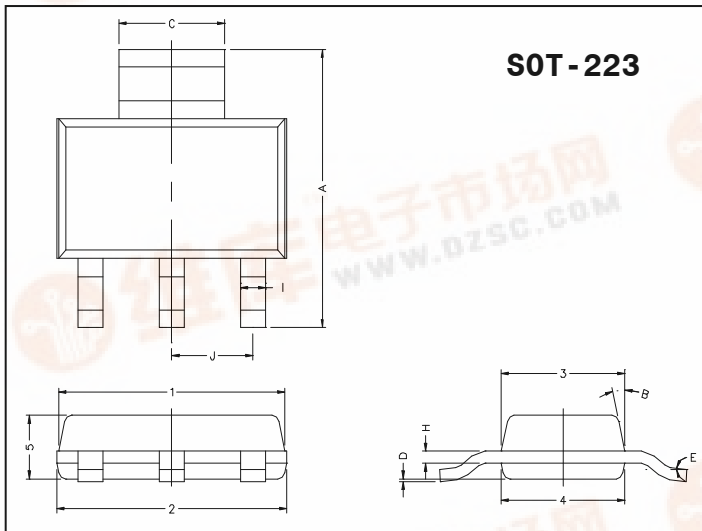
GL3906

PNP EPITAXIAL PLANAR TRANSISTOR

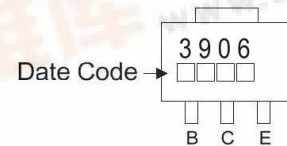
Description

The GL3906 is designed for general purpose Switching and Amplifier Applications.

Package Dimensions



Marking :



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	6.70	7.30	B	13 TYP.	
C	2.90	3.10	J	2.30 REF.	
D	0.02	0.10	1	6.30	6.70
E	0°	10°	2	6.30	6.70
I	0.60	0.80	3	3.30	3.70
H	0.25	0.35	4	3.30	3.70
			5	1.40	1.80

Absolute Maximum Ratings at Ta = 25°C

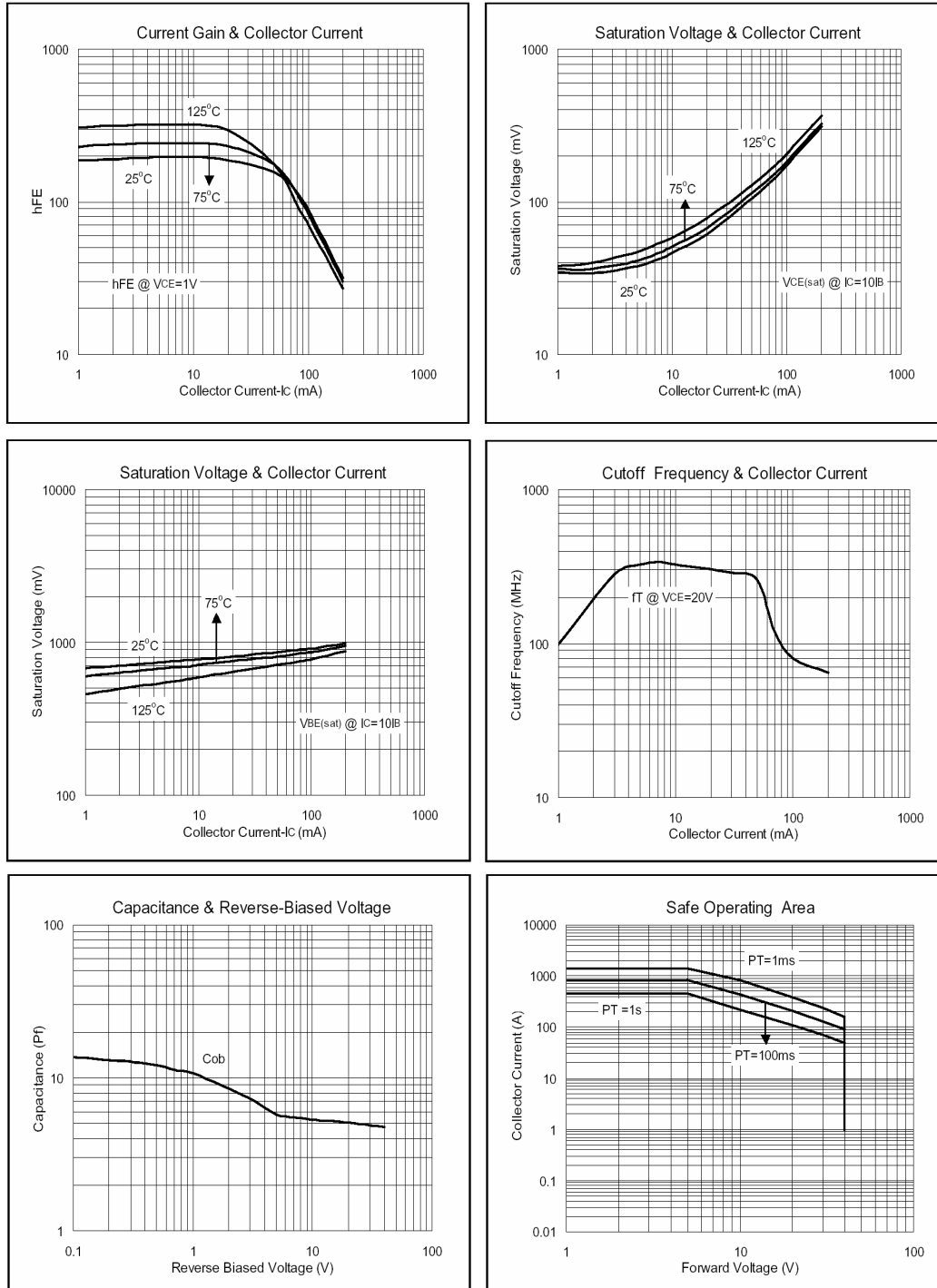
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	V _{CBO}	-40	V
Collector to Emitter Voltage	V _{CEO}	-40	V
Emitter to Base Voltage	V _{EBO}	-5	V
Collector Current	I _C	-200	mA
Total Power Dissipation	P _D	1.5	W

Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV _{CBO}	-40	-	-	V	I _C =-10uA
BV _{CEO}	-40	-	-	V	I _C =-1mA
BV _{EBO}	-5	-	-	V	I _E =-10uA
I _{CES}	-	-	-50	nA	V _{CB} =-30V
I _{EBO}	-	-	-50	nA	V _{EB} =-3V
V _{CE(sat)1}	-	-	-0.25	V	I _C =-10mA, I _B =-1mA
V _{CE(sat)2}	-	-0.2	-0.4	V	I _C =-50mA, I _B =-5mA
V _{BE(sat)1}	-0.65	-	-0.85	V	I _C =-10mA, I _B =-1mA
V _{BE(sat)2}	-	-0.84	-0.95	V	I _C =-50mA, I _B =-5mA
hFE1	60	-	-		V _{CE} =-1V, I _C =-0.1mA
hFE2	80	-	-		V _{CE} =-1V, I _C =-1mA
hFE3	100	-	300		V _{CE} =-1V, I _C =-10mA
hFE4	60	-	-		V _{CE} =-1V, I _C =-50mA
hFE5	30	-	-		V _{CE} =-1V, I _C =-100mA
fT	250	-	-	MHz	V _{CE} =-20V, I _E =-10mA, f=100MHz
Cob	-	-	4.5	pF	V _{CB} =-5V, f=1MHz

Note:Pulse test:PW<=300us, Duty Cycle<=2%

Characteristics Curve



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