

GTM CORPORATION

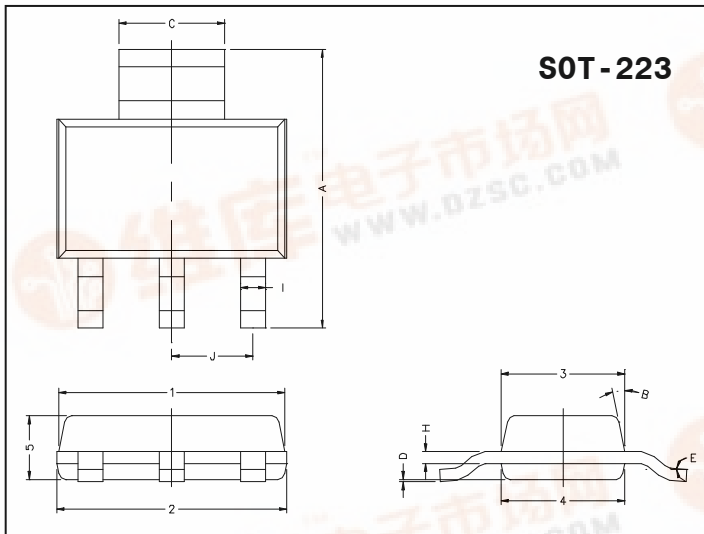
Page : 1/2

GL2222A NPN EPITAXIAL PLANAR TRANSISTOR

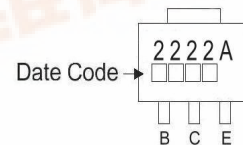
Description

The GL2222A is designed for General Purpose Amplifier and High-Speed Switching, Medium-Power Switching 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

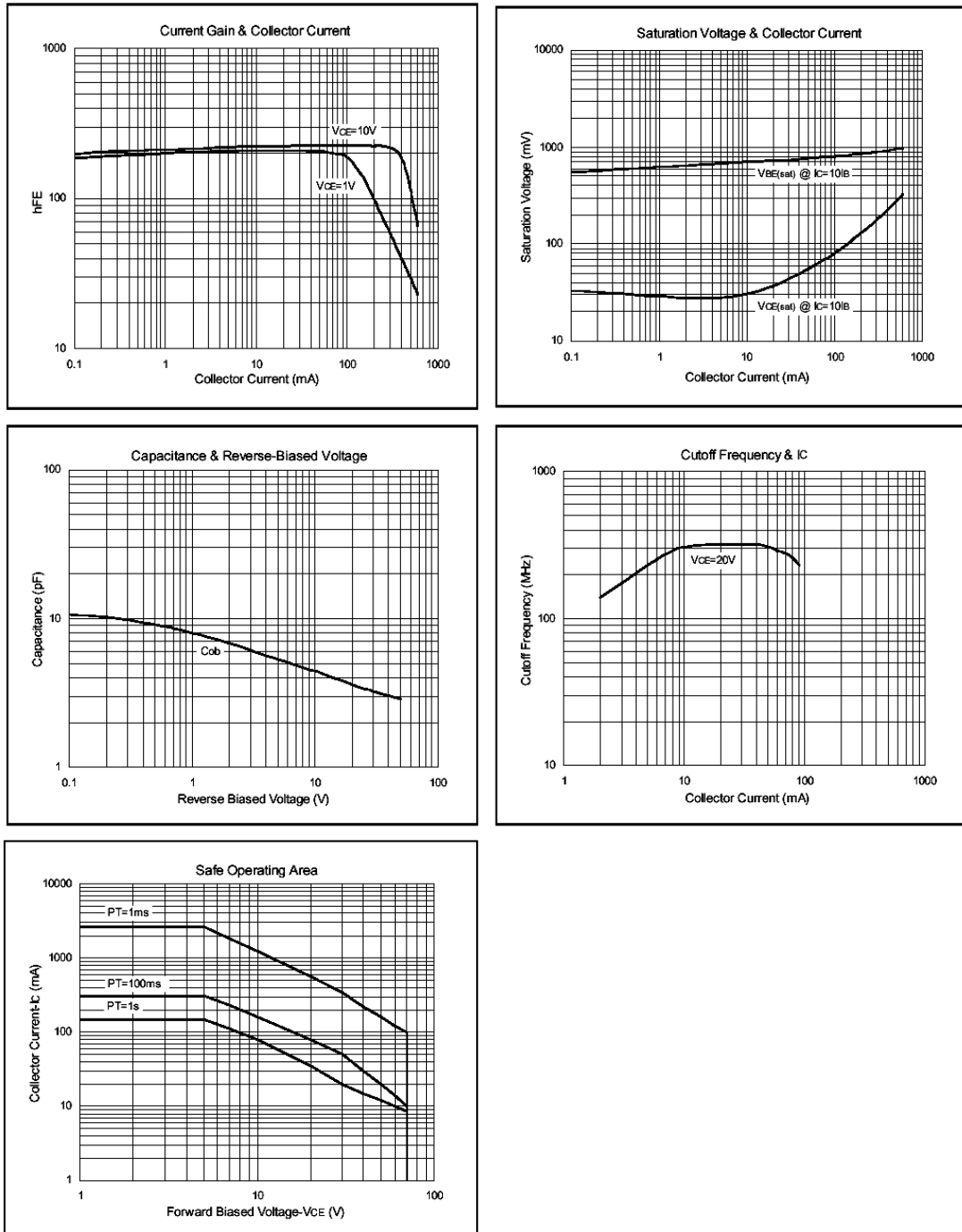
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	75	V
Collector to Emitter Voltage	VCEO	40	V
Emitter to Base Voltage	VEBO	6	V
Collector Current	IC	600	mA
Total Power Dissipation	PD	2	W

Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	75	-	-	V	IC=100uA, IE=0
BVCEO	40	-	-	V	IC=10mA, IB=0
BVEBO	6	-	-	V	IE=10uA, IC=0
ICBO	-	-	10	nA	VCB=60V, IE=0
ICEX	-	-	10	nA	VCE=60V, VEB(OFF)=3V
IEBO	-	-	10	nA	VEB=3V
VCE(sat)1	-	-	500	mV	IC=380mA, IB=10mA
VCE(sat)2	-	-	1.0	V	IC=500mA, IB=50mA
VBE(sat)1	-	-	1.2	V	IC=150mA, IB=15mA
VBE(sat)2	-	-	2.0	V	IC=500mA, IB=50mA
hFE1	35	-	-		VCE=10V, IC=100uA
hFE2	50	-	-		VCE=10V, IC=1mA
hFE3	75	-	-		VCE=10V, IC=10mA
hFE4	100	-	300		VCE=10V, IC=150mA
Hfe5	40	-	-		VCE=10V, IC=500mA
fT	300	-	-	MHz	VCB=20V, IC=20mA, f=100MHz

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 FAX : 86-21-38950165