

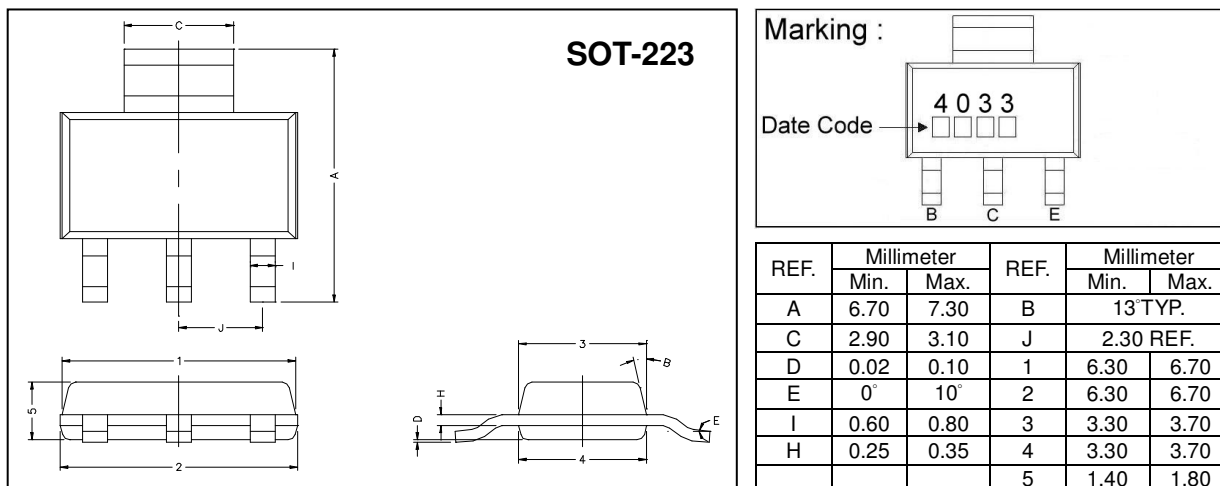
GL4033

PNP EPITAXIAL PLANAR TRANSISTOR

Description

The GL4033 is designed for high current general purpose amplifier applications.

Package Dimensions



Absolute Maximum Ratings (Ta = 25°C, unless otherwise specified)

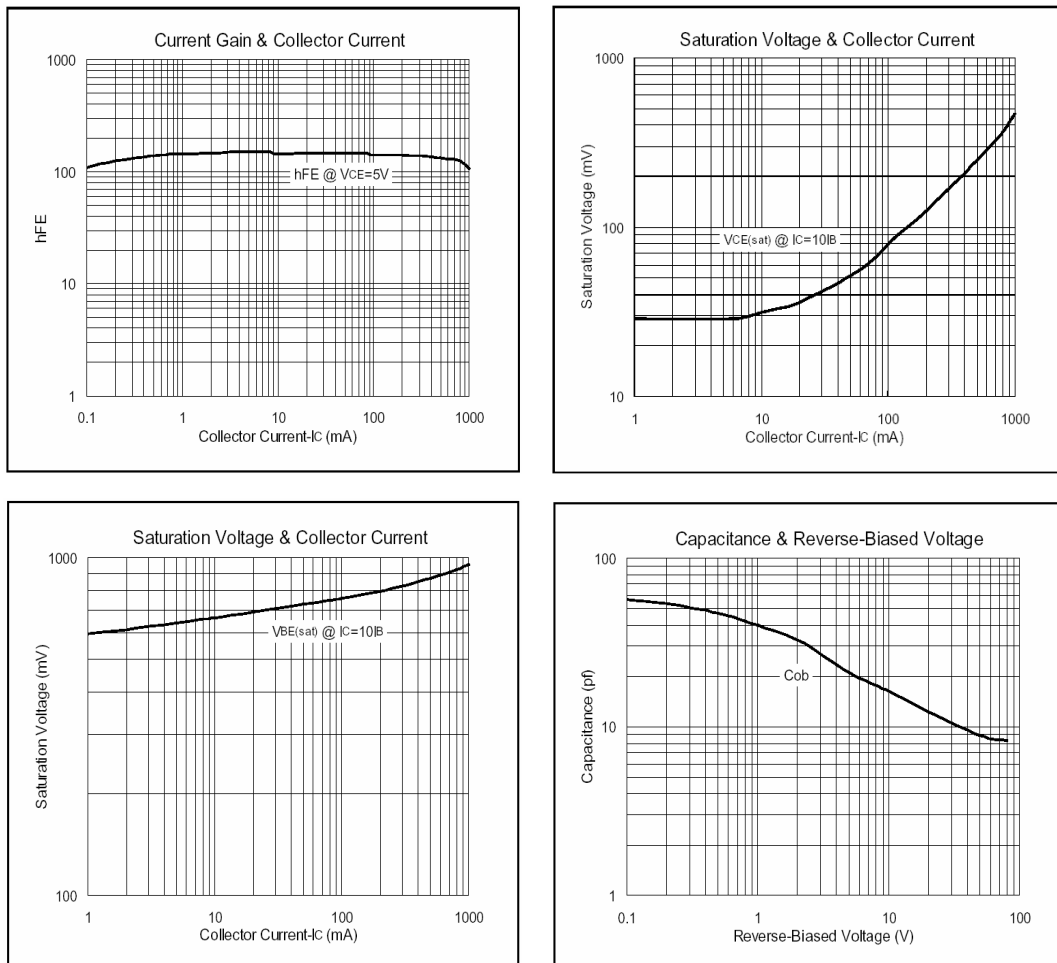
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature Range	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-80	V
Collector to Emitter Voltage	VCEO	-80	V
Emitter to Base Voltage	VEBO	-5	V
Collect Current(DC)	Ic	-1	A
Total Power Dissipation	Pd	2	W

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

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV _{CB0}	-80	-	-	V	I _c =-10uA, I _E =0
BV _{CE0}	-80	-	-	V	I _c =-10mA, I _B =0
BV _{EB0}	-5	-	-	V	I _E =-10uA, I _c =0
I _{CB0}	-	-	-50	nA	V _{CB} =-60V, I _E =0
I _{EB0}	-	-	-10	nA	V _{EB} =-5V, I _c =0
V _{CE(sat)1}	-	-	-150	mV	I _c =-150mA, I _B =-15mA
V _{CE(sat)2}	-	-	-500	mV	I _c =-500mA, I _B =-50mA
V _{BE(sat)1}	-	-	-900	mV	I _c =-150mA, I _B =-15mA
V _{BE(sat)2}	-	-	-1.1	V	I _c =-500mA, I _B =-50mA
h _{FE1}	75	-	-		V _{CE} =-5V, I _c =-0.1mA
h _{FE2}	100	-	-		V _{CE} =-5V, I _c =-100mA
h _{FE3}	70	-	-		V _{CE} =-5V, I _c =-500mA
h _{FE4}	25	-	-		V _{CE} =-5V, I _c =-1A
f _T	100	-	-	MHz	V _{CE} =-10V, I _c =-50mA, f=100MHz
Cob	-	-	20	pF	V _{CB} =-10V, I _E =0, f=1MHz

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

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 ~ 4 FAX : 86-21-38950165