

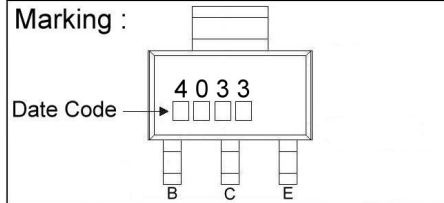
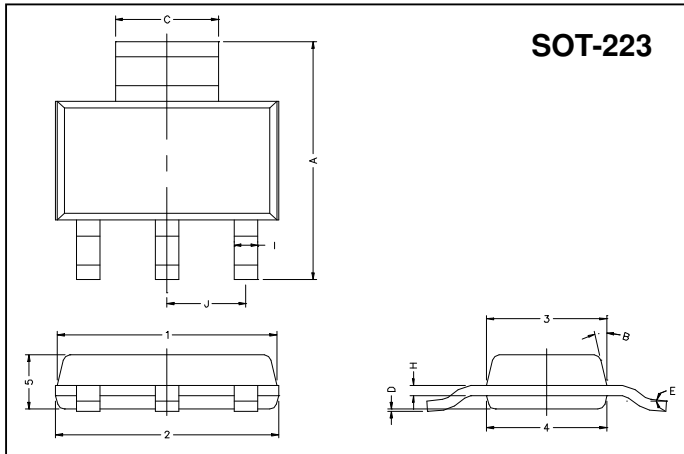
GL4033

PNP EPITAXIAL PLANAR TRANSISTOR

Description

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

Package Dimensions



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 (Ta = 25°C, unless otherwise specified)

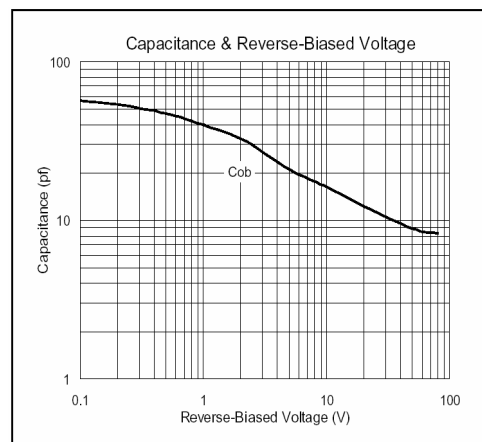
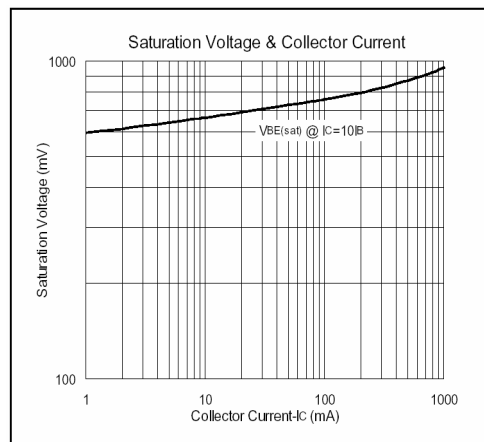
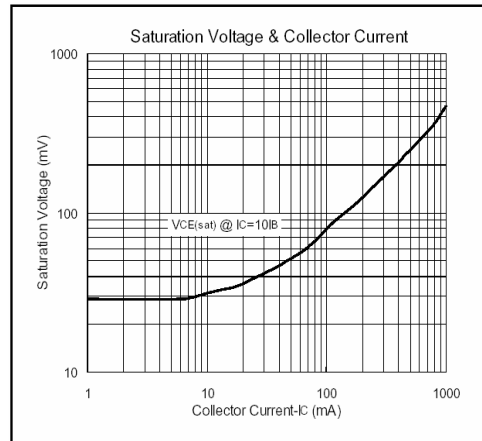
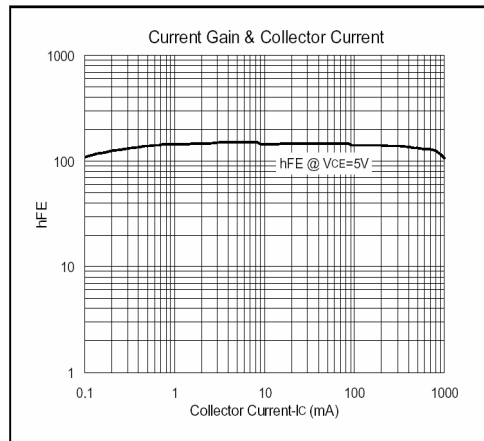
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature Range	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-80	V
Collector to Emitter Voltage	VCEO	-80	V
Emitter to Base Voltage	VEBO	-5	V
Collect Current(DC)	Ic	-1	A
Total Power Dissipation	Pd	2	W

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

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-80	-	-	V	Ic=-10uA, IE=0
BVCEO	-80	-	-	V	Ic=-10mA, IB=0
BVEBO	-5	-	-	V	IE=-10uA, Ic=0
ICBO	-	-	-50	nA	VCB=-60V, IE=0
IEBO	-	-	-10	nA	VEB=-5V, Ic=0
VCE(sat)1	-	-	-150	mV	Ic=-150mA, IB=-15mA
VCE(sat)2	-	-	-500	mV	Ic=-500mA, IB=-50mA
VBE(sat)1	-	-	-900	mV	Ic=-150mA, IB=-15mA
VBE(sat)2	-	-	-1.1	V	Ic=-500mA, IB=-50mA
hFE1	75	-	-		VCE=-5V, Ic=-0.1mA
hFE2	100	-	-		VCE=-5V, Ic=-100mA
hFE3	70	-	-		VCE=-5V, Ic=-500mA
hFE4	25	-	-		VCE=-5V, Ic=-1A
fT	100	-	-	MHz	VCE=-10V, Ic=-50mA, f=100MHz
Cob	-	-	20	pF	VCB=-10V, IE=0, f=1MHz

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

Characteristics Curve



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