

GTM CORPORATION

Page :1/2

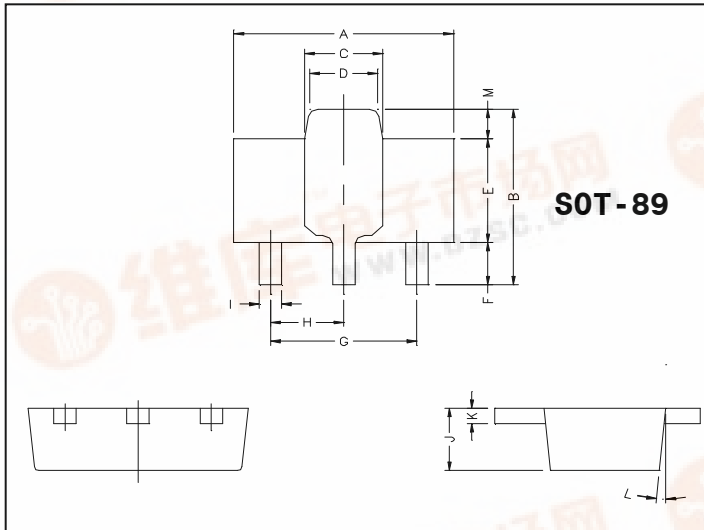
GM4033

PNP EPITAXIAL PLANAR TRANSISTOR

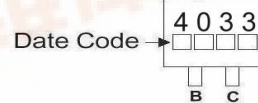
Description

The GM4033 is designed for high current general purpose amplifier applications .

Package Dimensions



Marking :



	Millimeter			Millimeter	
	Min.	Max.		Min.	Max.
A	4.4	4.6	G	3.00	REF.
B	4.05	4.25	H	1.50	REF.
C	1.50	1.70	I	0.40	0.52
D	1.30	1.50	J	1.40	1.60
E	2.40	2.60	K	0.35	0.41
F	0.89	1.20	L	5°	TYP.
			M	0.70	REF.

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

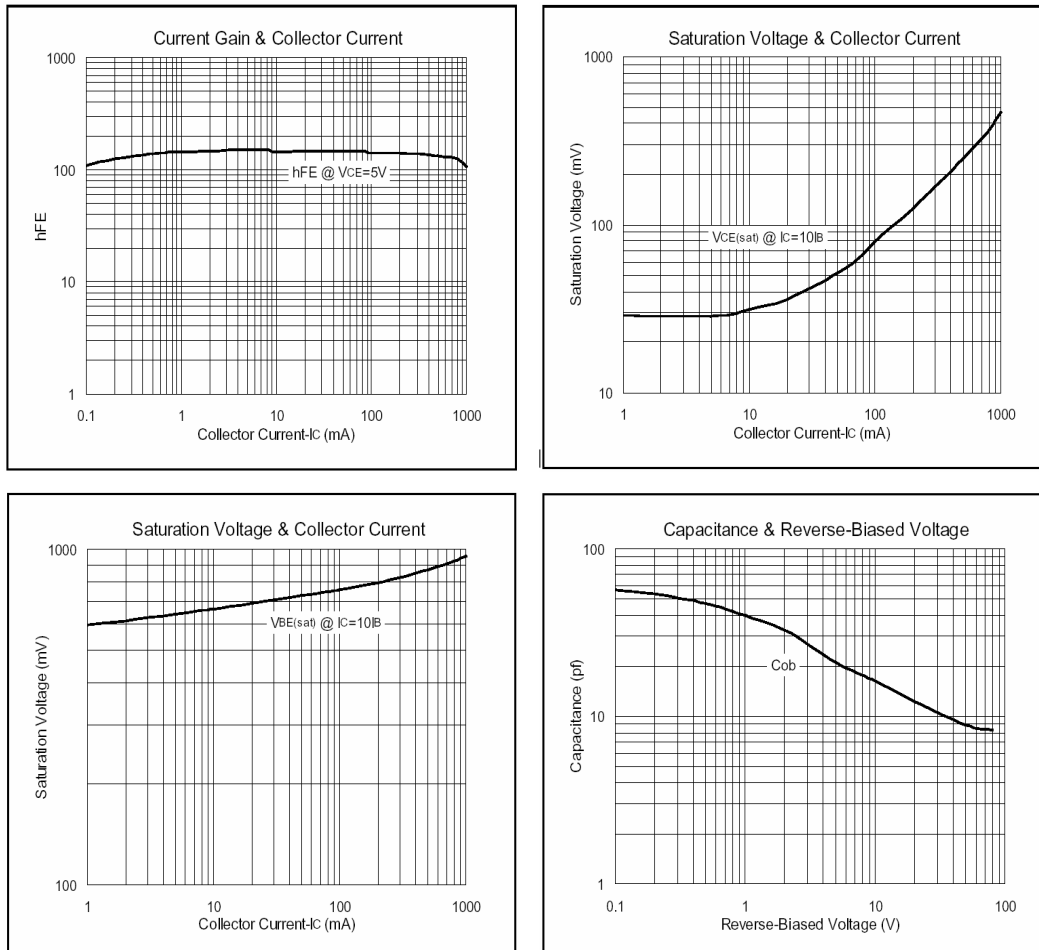
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-80	V
Collector to Emitter Voltage	VCEO	-80	V
Emitter to Base Voltage	VEBO	-5	V
Collector Current(DC)	Ic	-1	A
Collector Power Dissipation	Pd	1.2	W

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	Ic=-10uA
ICBO	-	-	-100	nA	VCB=-60V
IEBO	-	-	-100	nA	VEB=-5V
*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	VCE=-10V, IE=0, f=1MHz

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

Characteristics Curve



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