

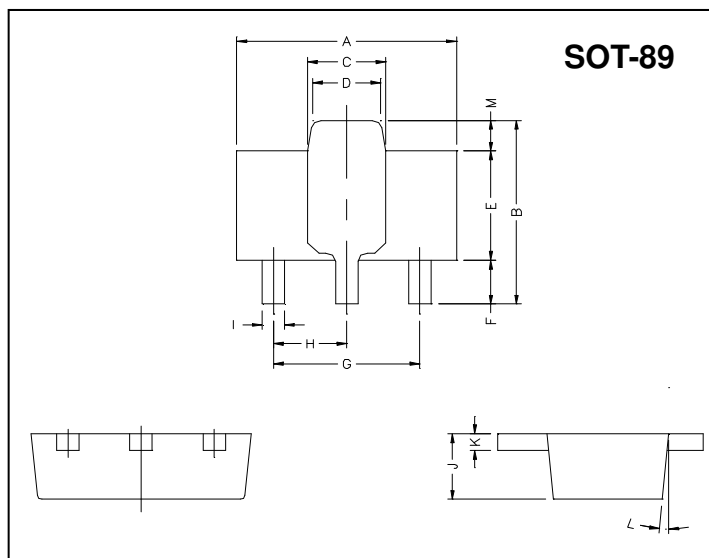
GMA44

NPN EPITAXIAL PLANAR TRANSISTOR

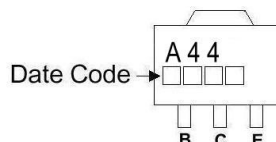
Description

The GMA44 is designed for application requires for high voltage.

Package Dimensions



Marking :



REF.	Millimeter		REF.	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.	

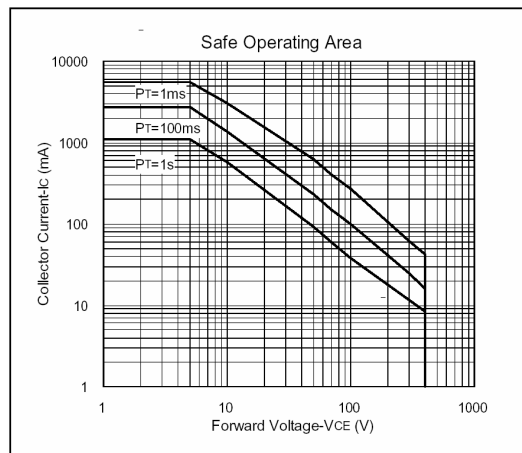
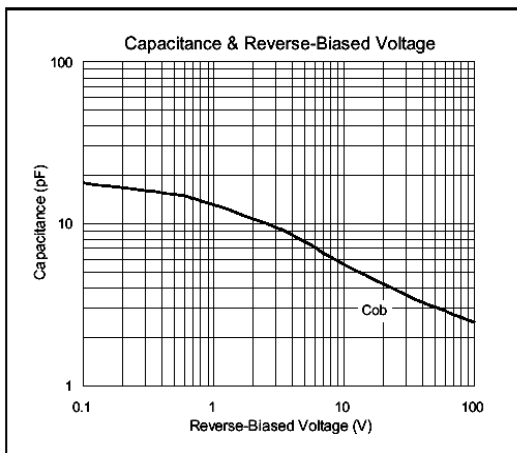
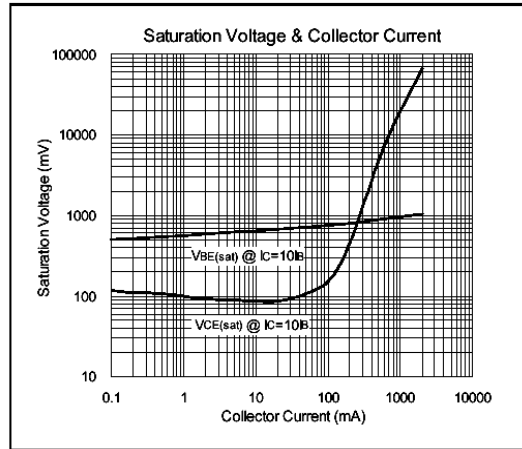
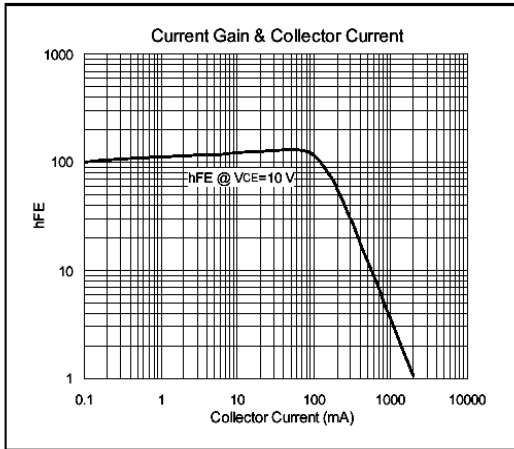
Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	500	V
Collector to Emitter Voltage	VCEO	400	V
Emitter to Base Voltage	VEBO	6.0	V
Collector Current	IC	300	mA
Total Power Dissipation	PD	1.0	W

Characteristics at Ta = 25°C

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	500	-	-	V	IC=100uA
BVCEO	400	-	-	V	IC=1mA
BVEBO	6	-	-	V	IE=10uA
ICBO	-	-	100	nA	VCB=400V
ICES	-	-	500	nA	VCB=400V
IEBO	-	-	100	nA	VEB=4V
VCE(sat)1	-	-	375	mV	IC=20mA, IB=2mA
VCE(sat)2	-	-	750	mV	IC=50mA, IB=5 mA
VBE(sat)	-	-	750	mV	IC=1 0mA, IB=1mA
hFE1	40	-	-		VCE=10V, IC=1mA
hFE2	50	-	300		VCE=10V, IC=10mA
hFE3	45	-	-		VCE=10V, IC=50mA
hFE4	40	-	-		VCE=10V, IC=100mA
Cob	-	4	6	pF	VCE=20V, f=1MHz

Characteristics Curve



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