

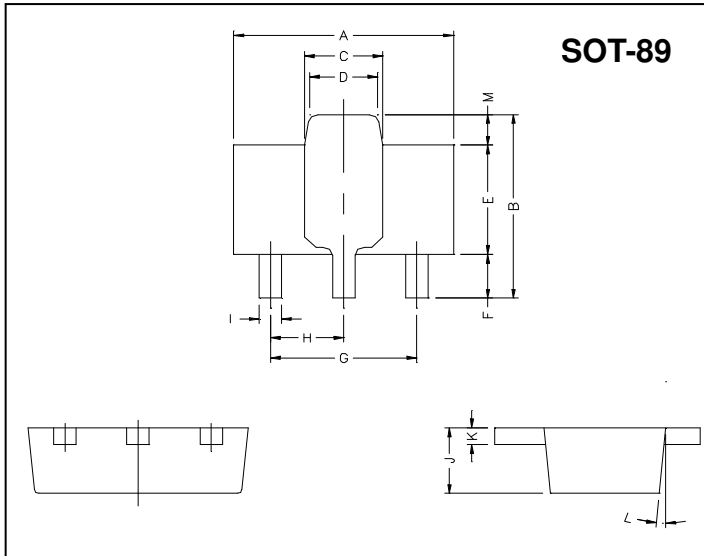
## GMA92

## PNP PITAXIAL PLANAR TRANSISTOR

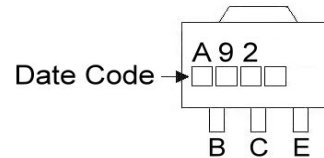
### Description

The GMA92 is designed for applications as a video output to drive color CRT, or as a dialer circuit in electronics telephone.

### 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 q TYP.	
			M	0.70 REF.	

### Absolute Maximum Ratings at Ta = 25 :

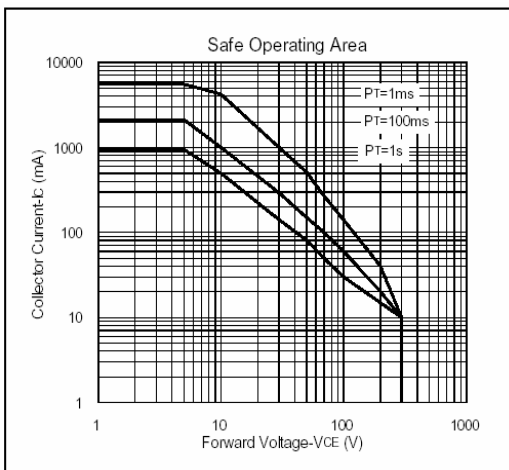
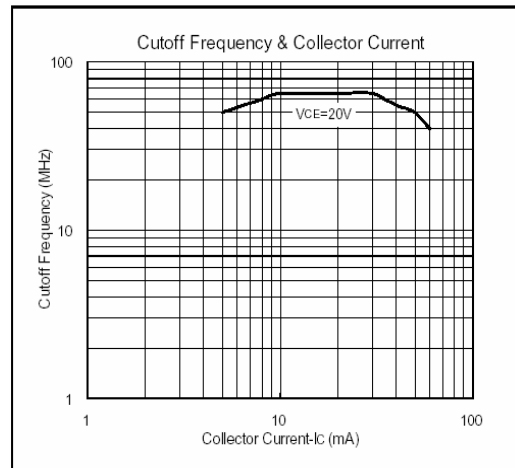
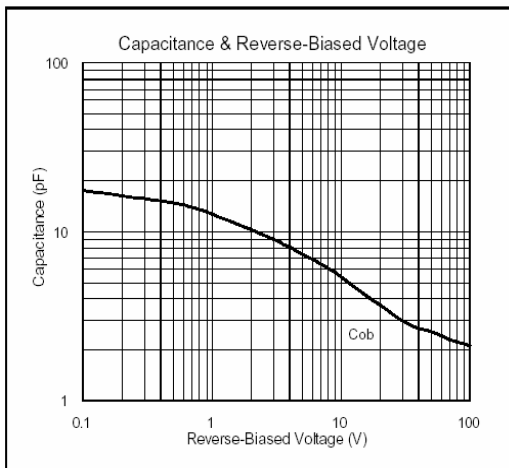
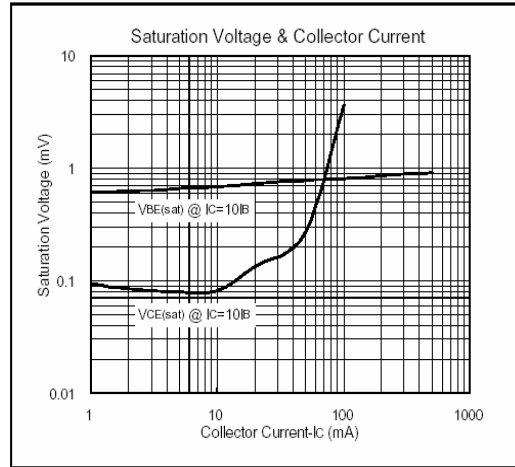
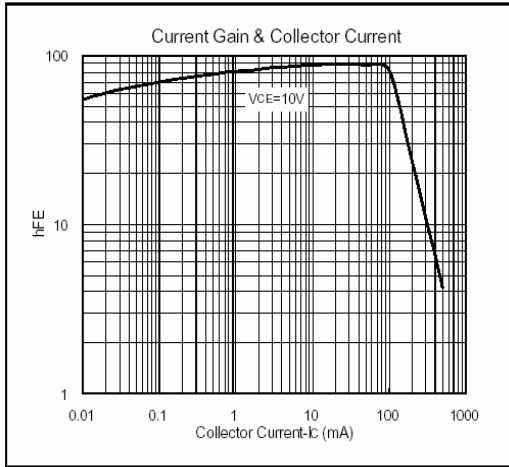
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	
Storage Temperature Range	TSTG	-55 ~ +150	
Collector to Base Voltage	VCBO	-300	V
Collector to Emitter Voltage	VCEO	-300	V
Emitter to Base Voltage	VEBO	-5	V
Collect Current(DC)	Ic	-500	mA
Total Power Dissipation	PD	1	W

### Electrical Characteristics(Ta = 25 : )

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-300	-	-	V	IC=-100uA, IE=0
BVCEO	-300	-	-	V	IC=-1mA, IB=0
BVEBO	-5	-	-	V	IE=-100uA, IC=0
ICBO	-	-	-250	nA	VCB=-200V, IE=0
IEBO	-	-	-100	nA	VEB=-3V, IC=0
*VCE(sat)	-	-	-500	mV	IC=-20mA, IB=-2mA
*VBE(sat)	-	-	-900	mV	IC=-20mA, IB=-2mA
*hFE1	25	-	-		VCE=-10V, IC=-1mA
*hFE2	40	-	-		VCE=-10V, IC=-10mA
*hFE3	25	-	-		VCE=-10V, IC=-30mA
fT	50	-	-	MHz	VCB=-20V, IC=-10mA, f=100MHz
Cob	-	-	6	pF	VCB=-20V, IE=0

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

## Characteristics Curve



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