

GMA64

PNP EPITAXIAL PLANAR TRANSISTOR

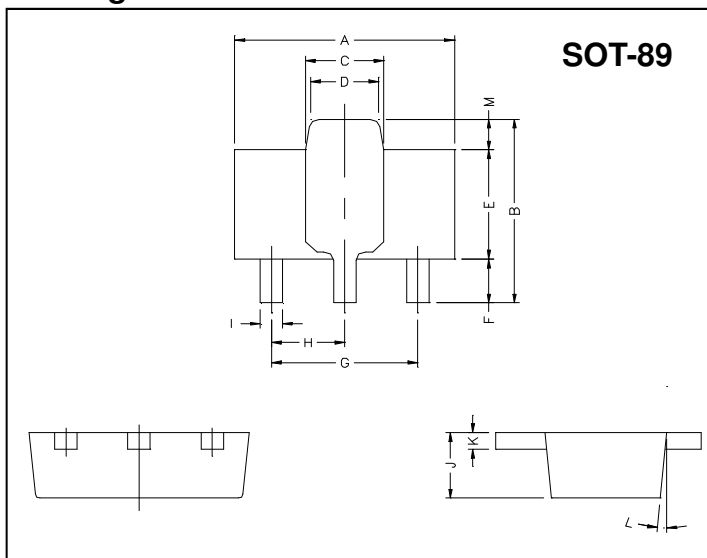
Description

The GMA64 is a darlington amplifier transistor designed for application requiring extremely high current gain.

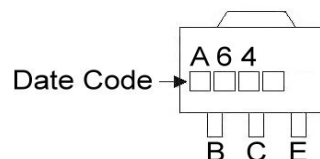
Features

- High DC current gain
- Complementary with GMA14

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

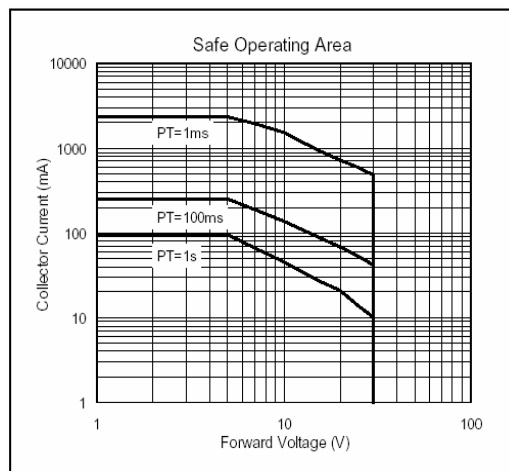
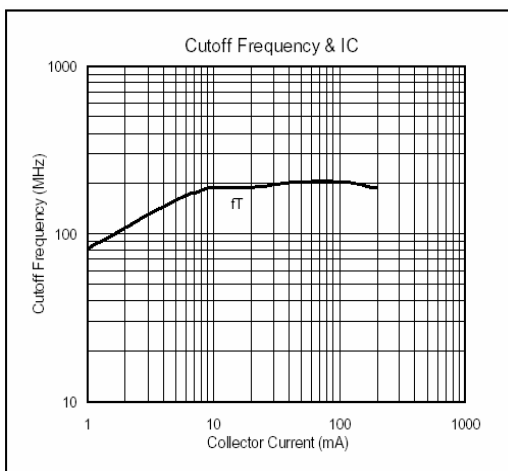
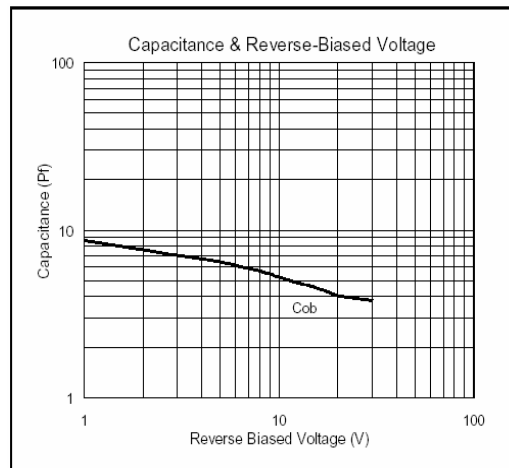
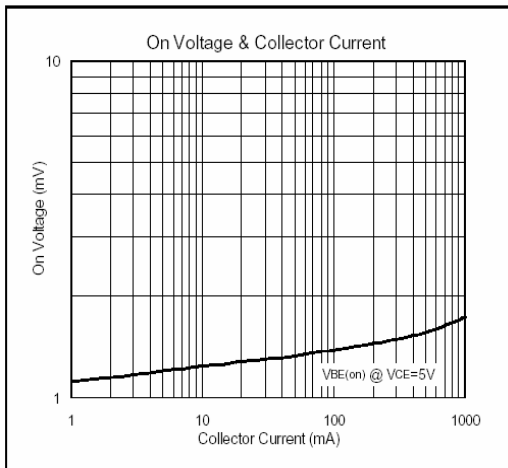
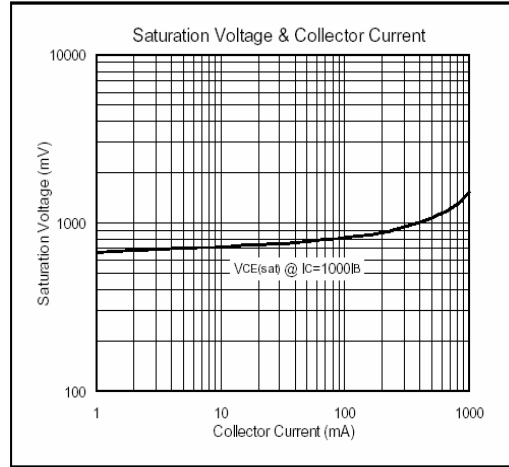
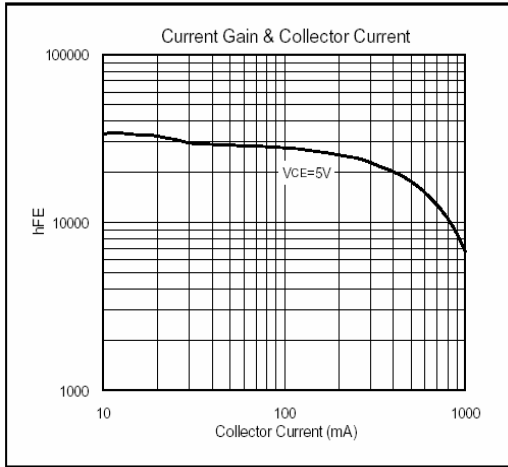
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature Range	TSTG	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-30	V
Collector to Emitter Voltage	VCES	-30	V
Emitter to Base Voltage	VEBO	-10	V
Collect Current(DC)	IC	-500	mA
Total Power Dissipation	PD	1	W

Electrical Characteristics(Ta = 25°C)

Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BVCBO	-30	-	-	V	IC=-100uA, IE=0
BVCES	-30	-	-	V	IC=-100uA, IB=0
BVEBO	-10	-	-	V	IE=-10uA, IC=0
ICBO	-	-	-100	nA	VCB=-30V, IE=0
IEBO	-	-	-100	Na	VEB=-10V, IC=0
*VCE(sat)1	-	-	-1.5	V	IC=-100mA, IB=-0.1mA
*VBE(on)	-	-	-2.0	V	IC=-100mA, VCE=-5V
*hFE1	10	-	-	K	VCE=-5V, IC=-10mA
*hFE2	20	-	-	K	VCE=-5V, IC=-100mA
ft	125	-	-	MHz	VCE=-5V, IC=-10mA, f=100MHz

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

Characteristics Curve



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