

GMBTA64

PNP SILICON TRANSISTOR

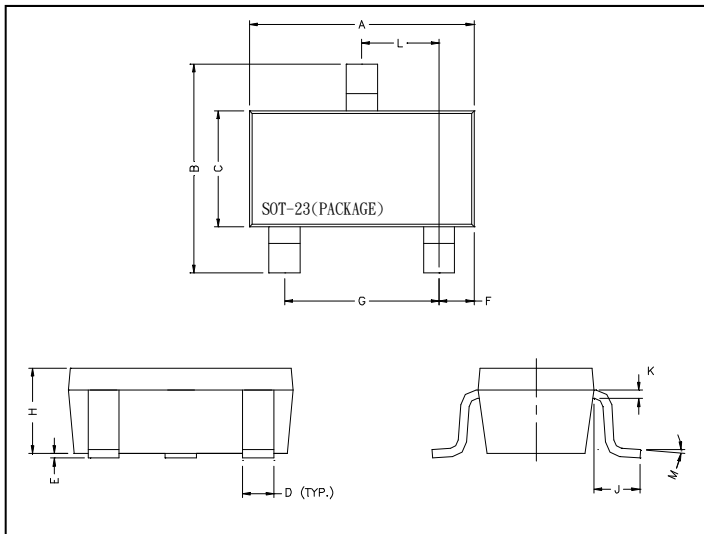
Description

The GMBTA64 is designed for application requiring extremely high current gain at collector current to 500mA.

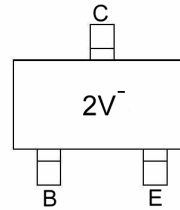
Features

- High D.C. Current Gain
- For Complementary with NPN Type GMBTA14

Package Dimensions



Marking:



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.70	3.10	G	1.90	REF.
B	2.40	2.80	H	1.00	1.30
C	1.40	1.60	K	0.10	0.20
D	0.35	0.50	J	0.40	-
E	0	0.10	L	0.85	1.15
F	0.45	0.55	M	0°	10°

Absolute Maximum Ratings at Ta = 25°C

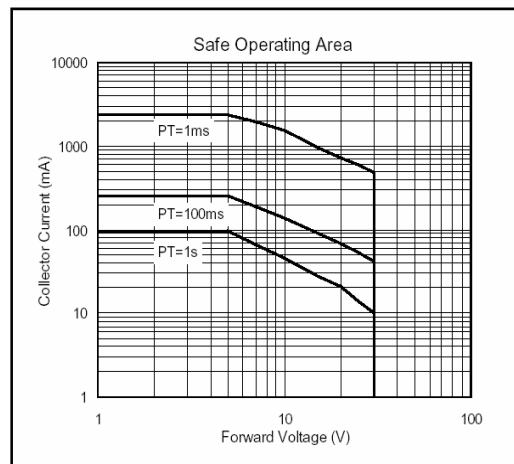
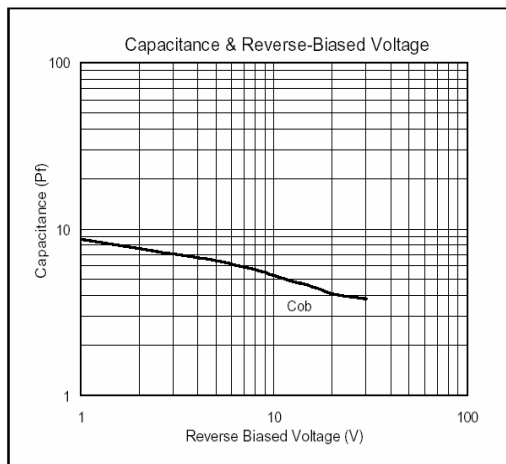
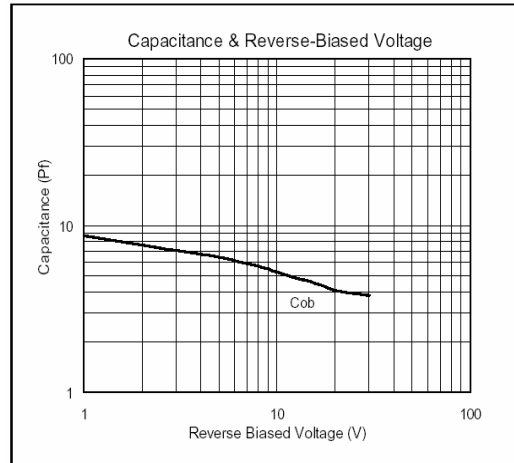
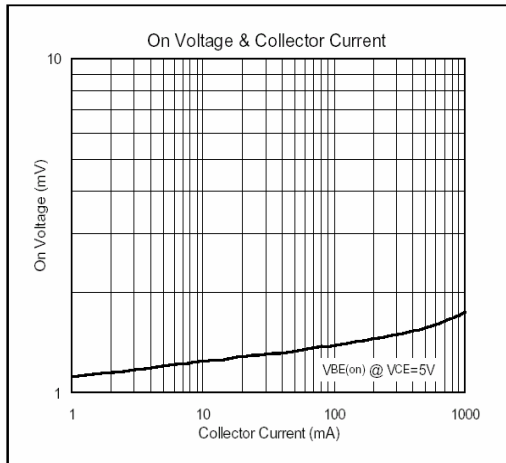
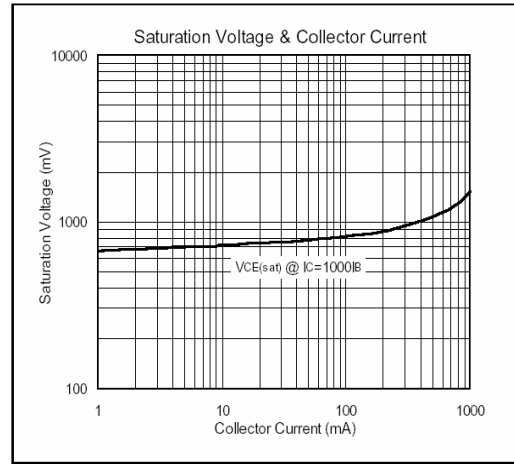
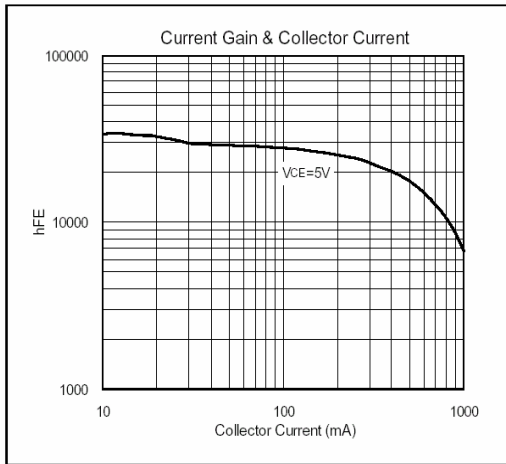
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55 ~ +150	°C
Collector to Base Voltage	VCBO	-30	V
Collector to Emitter Voltage	VCEO	-30	V
Emitter to Base Voltage	VEBO	-10	V
Collector Current	IC	-500	mA
Total Power Dissipation	PD	225	mW

Characteristics at 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	VCE=-10V
VCE(sat)	-	-	-1.5	V	IC=-100mA, IB=-0.1mA
VBE(on)	-	-	-2	V	VCE=-5V, IC=-100mA
HFE1	10K	-	-		VCE=-5V, IC=-10mA
HFE2	20K	-	-		VCE=-5V, IC=-100mA
fT	125	-	-	MHz	VCE=-5V, IC=-100mA, f=100MHz

*Pulse Test :Pulse width ≤380us,Duty Cycly≤2%

Characteristics Curve



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