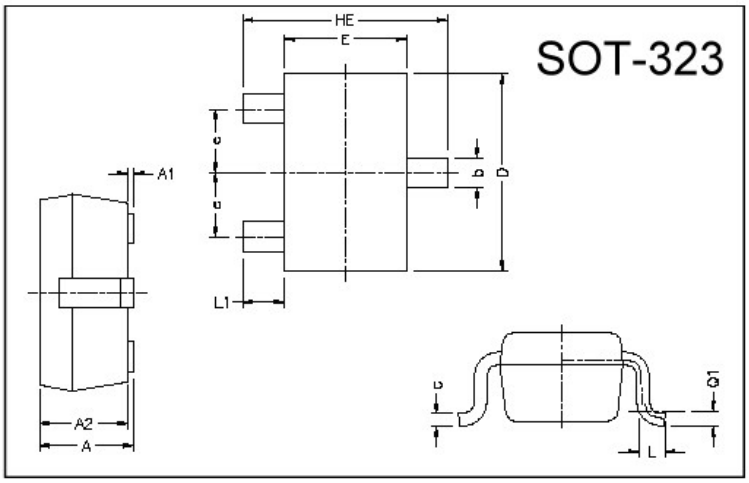
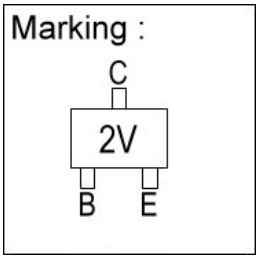
GSMBTA64 PNP SILICON TRANSISTOR

Description
The GSMBTA64 is designed for application requiring extremely high current gain at collector to 500mA.

Features
- High D.C. Current Gain
- Complementary to GSMBTA14

Package Dimensions





REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	0.80	1.10	L1	0.42 REF.	
A1	0	0.10	L	0.15	0.35
A2	0.80	1.00	b	0.25	0.40
D	1.80	2.20	c	0.10	0.25
E	1.15	1.35	e	0.65 REF.	
HE	1.80	2.40	Q1	0.15 BSC.	

Absolute Maximum Ratings at Ta = 25℃

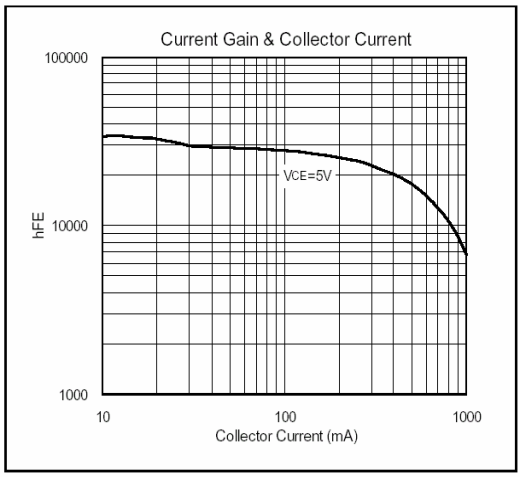
Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	℃
Storage Temperature	Tstg	-55~+150	℃
Collector to Base Voltage	V_{CBO}	-30	V
Collector to Emitter Voltage	V_{CEO}	-30	V
Emitter to Base Voltage	V_{EBO}	-10	V
Collector Current	I_C	-500	mA
Total Power Dissipation	P_D	225	mW

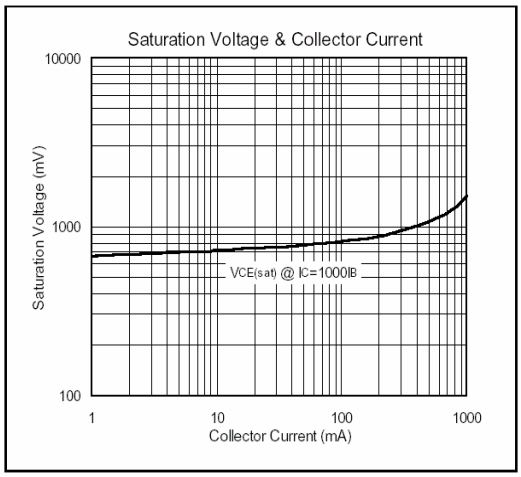
Electrical Characteristics(Ta = 25℃,unless otherwise noted)

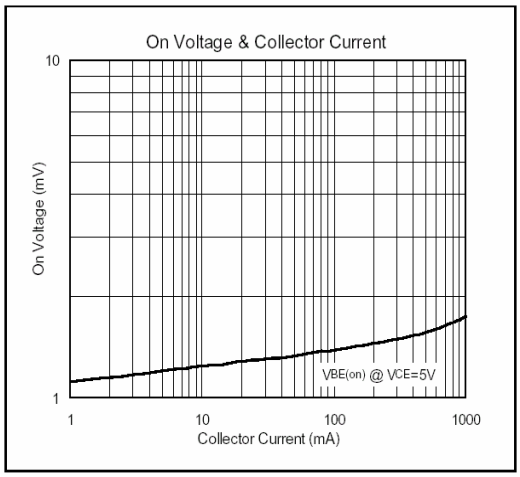
Symbol	Min.	Typ.	Max.	Unit	Test Conditions
BV_{CBO}	-30	-	-	V	I_C=-100uA, I_E=0
BV_{CEO}	-30	-	-	V	I_C=-100uA, I_B=0
BV_{EBO}	-10	-	-	V	I_E=-10uA, I_C=0
I_{CBO}	-	-	-100	nA	V_{CB}=-30V, I_E=0
I_{EBO}	-	-	-100	nA	V_{EB}=-10V, I_C=0
*$V_{CE(sat)}$	-	-	-1.5	V	I_C=-100mA, I_B=-0.1mA
*$V_{BE(on)}$	-	-	-2	V	V_{CE}=-5V, I_C=-100mA
*h_{FE}1	10K	-	-		V_{CE}=-5V, I_C=-10mA
*h_{FE}2	20K	-	-		V_{CE}=-5V, I_C=-100mA
fT	125	-	-	MHz	V_{CE}=-5V, I_C=-100mA, f=100MHz

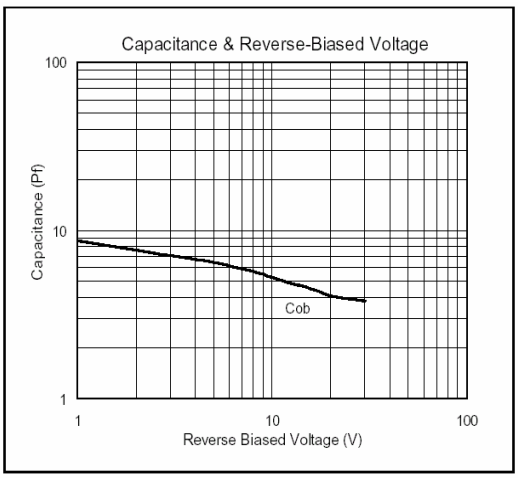
*** Pulse Test: Pulse Width≦380μs, Duty Cycle≦2%**

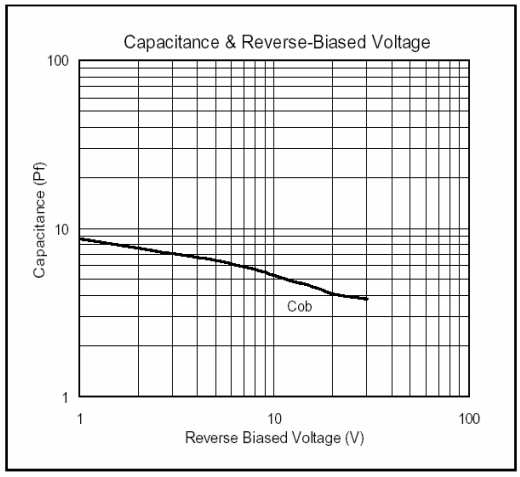
Characteristics Curve

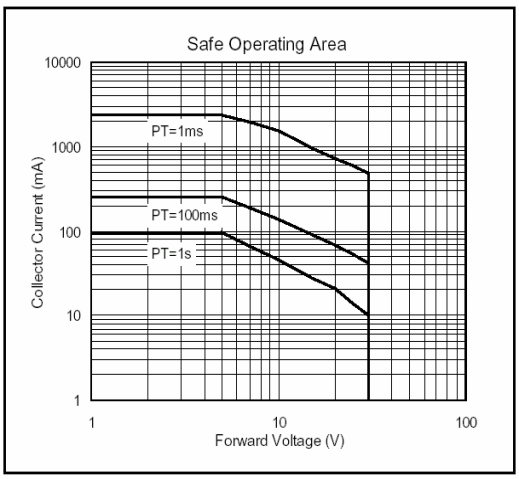












Head Office And Factory:
- **Taiwan**: No. 17-1 Tatung Rd. Fu Kou Hsin-Chu Industrial Park, Hsin-Chu, Taiwan, R. O. C.
  TEL : 886-3-597-7061 FAX : 886-3-597-9220, 597-0785
- **China**: (201203) No.255, Jang-Jiang Tsai-Lueng RD. , Pu-Dung-Hsin District, Shang-Hai City, China
  TEL : 86-21-5895-7671 ~ 4 FAX : 86-21-38950165