

2SB892/2SD1207

Large-Current Switching Applications

Features

· Power supplies, relay drivers, lamp drivers, and automotive wiring.

Features

- · FBET and MBIT processed (Original process of SANYO).
- · Low saturation voltage.
- · Large current capacity and wide ASO.

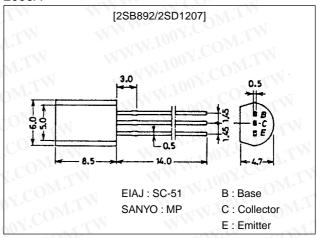
勝 特 力 材 料 886-3-5753170 胜特力电子(上海) 86-21-54151736 胜特力电子(深圳) 86-755-83298787 Http://www. 100y. com. tw

(): 2SB892

Package Dimensions

unit:mm

2006A



Specifications

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Conditions	Ratings	Unit
Collector-to-Base Voltage	V _{CBO}	COM.	(–)60	V
Collector-to-Emitter Voltage	VCEO	WW. 1100X.C 31.TW	(–)50	V
Emitter-to-Base Voltage	V _{EBO}	MMN. TO COM	(-)6	V
Collector Current	lc	W. 100 CONLI	(-)2	Α
Collector Current (Pulse)	I _{CP}	WW. 1007.Co TITN	(-)4	A
Allowable Collector Dissipation	PC	M. I. COM.	1	W
Junction Temperature	Tj	M. 1001. COW.I.	150	°C
Storage Temperature	Tstg	WWW.cox.co	-55 to +150	°C

Electrical Characteristics at Ta = 25°C

Parameter	Symbol	Conditions		Ratings		
Falametel	Symbol	Conditions	min	typ	max	Unit
Collector Cutoff Current	Ісво	V _{CB} =(-)50V, I _E =0	WT		(-)0.1	μA
Emitter Cutoff Current	I _{EBO}	V _{EB} =(-)4V, I _C =0	NI.		(–)0.1	μA
DC Current Gain	h _{FE} 1	V _{CE} =(-)2V, I _C =(-)100mA	100		560	- 1
	h _{FE} 2	V _{CE} =(-)2V, I _C =(-)1.5A	40	N	1	M
Gain-Bandwidth Product	ft of	V _{CE} =(-)10V, I _C =(-)50mA	OM.	150		MHz
Output Capacitance	C _{ob}	V _{CB} =(-)10V, f=1MHz	-117	12		pF
	NW.	DM. MANN. TO	COR	(22)		pF

^{*:} The 2SB892/2SD1207 are graded as follows by h_{FE} at 100mA:

				-75			7575			-	
100	R	200	140	S	280	200	T	400	280	U	560

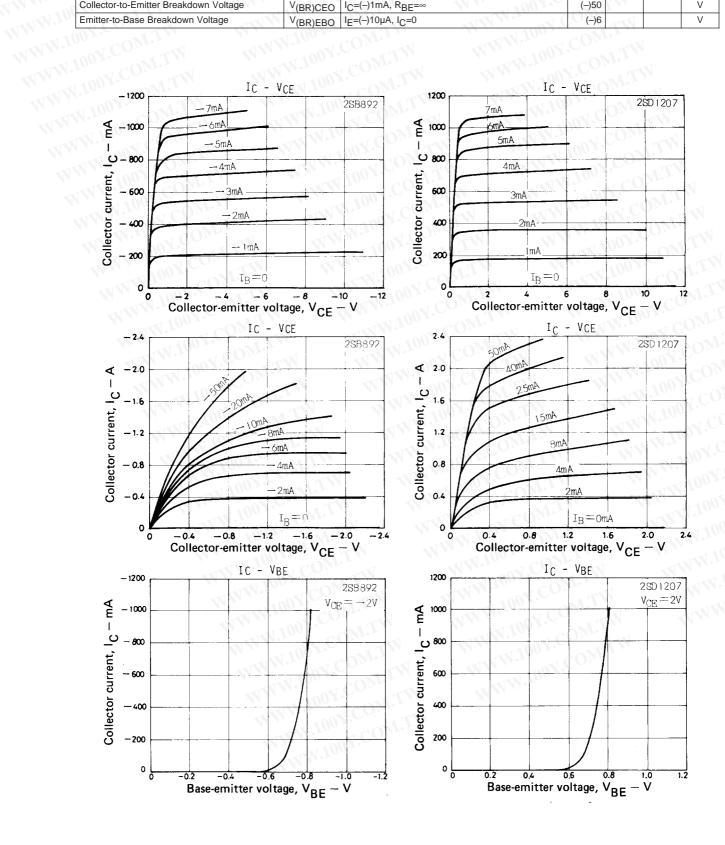
- Any and all SANYO products described or contained herein do not have specifications that can handle applications that require extremely high levels of reliability, such as life-support systems, aircraft's control systems, or other applications whose failure can be reasonably expected to result in serious physical and/or material damage. Consult with your SANYO representative nearest you before using any SANYO products described or contained herein in such applications.
- SANYO assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all SANYO products described or contained herein.

2SB892/2SD1207

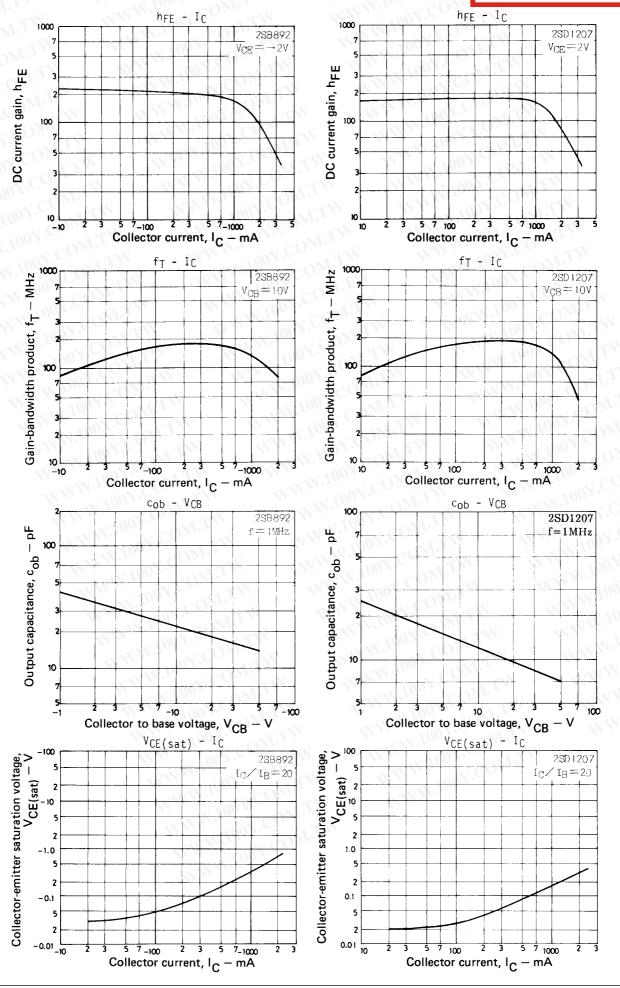
.100Y.COM.TW

Http://	www.	100y.	com. tw	7
THE RESERVE OF THE PARTY OF THE				

Parameter	Symbol	Conditions		Ratings		
Falametei	Symbol			typ	max	Unit
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C =(-)1A, I _B =(-)50mA		0.15	0.4	V
	17.00	TTN 1007.	III	(-0.3)	(-0.7)	V
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C =(-)1A, I _B =(-)50mA	- 17	(–)0.9	(-)1.2	V
Collector-to-Base Breakdown Voltage	V _(BR) CBO	I _C =(-)10μA, I _E =0	(-)60			V
Collector-to-Emitter Breakdown Voltage	V(BR)CEO	I _C =(−)1mA, R _{BE} =∞	(–)50	CAA		V
Emitter-to-Base Breakdown Voltage	V _{(BR)EBO}	I _E =(-)10μA, I _C =0	(–)6	TV		V



2SB892/2SD1207



等 特 力 材 料 886-3-5753170 生特力电子(上海) 86-21-54151736 生特力电子(深圳) 86-755-83298787 Http://www.100y.com.tw

2SB892/2SD1207

