

SANYO

No.1079A

2SB887/2SD1197

PNP/NPN Planar Type
Silicon Darlington Transistors

DRIVER APPLICATIONS

Applications

- . Motor drivers, printer hammer drivers, relay drivers, voltage regulator control

Features

- . High DC current gain
- . Large current capacity and wide ASO
- . Low saturation voltage

(): 2SB887

Absolute Maximum Ratings at Ta=25°

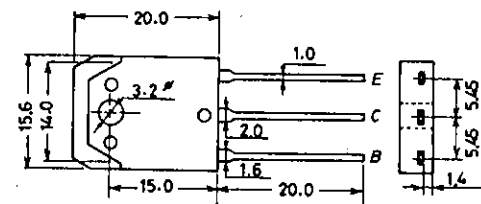
			unit
Collector-to-Base Voltage	V _{CB0}	(-)110	V
Collector-to-Emitter Voltage	V _{CEO}	(-)100	V
Emitter-to-Base Voltage	V _{EBO}	(-)6	V
Collector Current	I _C	(-)10	A
Peak Collector Current	i _{cp}	(-)15	A
Collector Dissipation	P _C	70	W
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

Electrical Characteristics at Ta=25°

			min	typ	max	unit
Collector Cutoff Current	I _{CB0}	V _{CB} =(-)80V, I _E =0			(-)0.1	mA
Emitter Cutoff Current	I _{EBO}	V _{EB} =(-)5V, I _C =0			(-)3.0	mA
DC Current Gain	h _{FE}	V _{CE} =(-)3V, I _C =(-)5A	1500	4000		
Gain-Bandwidth Product	f _T	V _{CE} =(-)5V, I _C =(-)5A		20		MHz
C-E Saturation Voltage	V _{CE(sat)}	I _C =(-)5A, I _B =(-)10mA	(-1.0)	(-)1.5		V
B-E Saturation Voltage	V _{BE(sat)}	I _C =(-)5A, I _B =(-)10mA	0.9		(-)2.0	V
C-B Breakdown Voltage	V _{(BR)CBO}	I _C =(-)5mA, I _E =0	(-)110			V
C-E Breakdown Voltage	V _{(BR)CEO}	I _C =(-)50mA, R _{BE} =∞	(-)100			V

Package Dimensions 2022

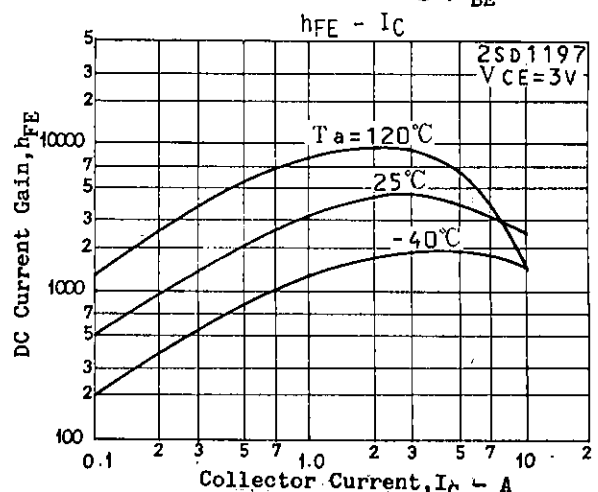
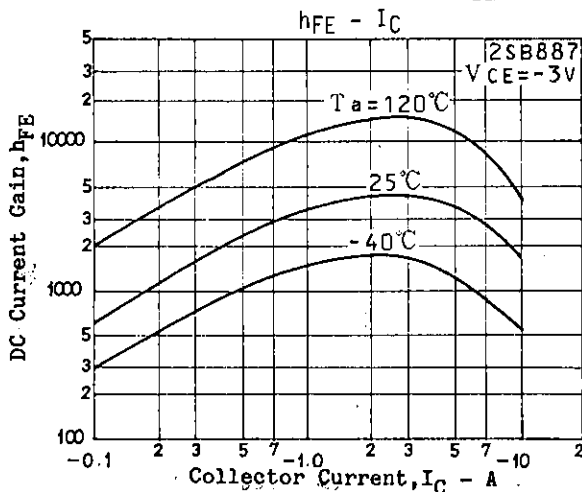
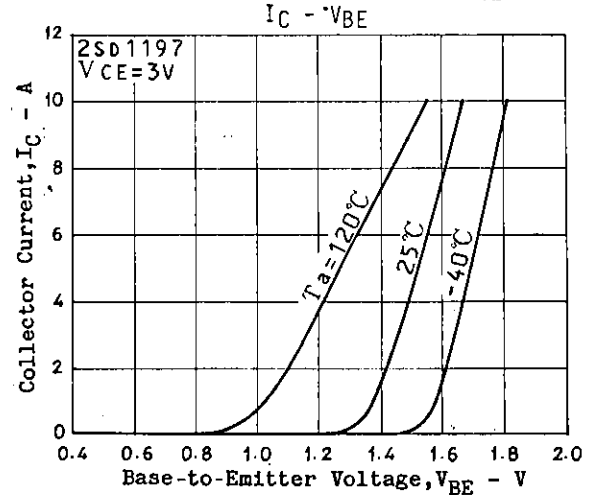
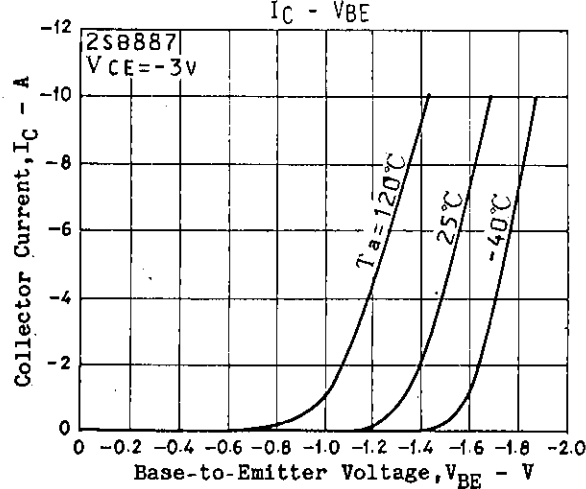
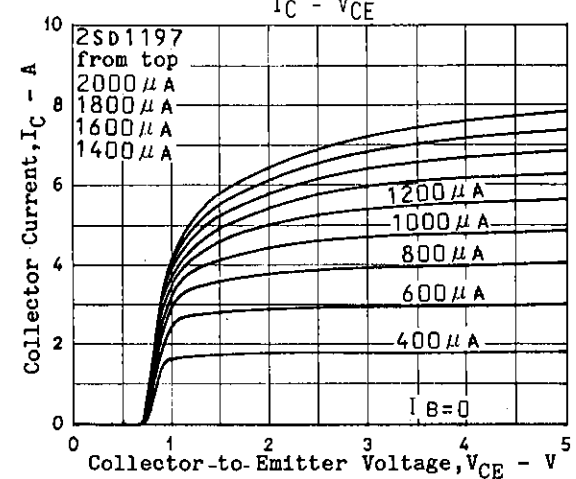
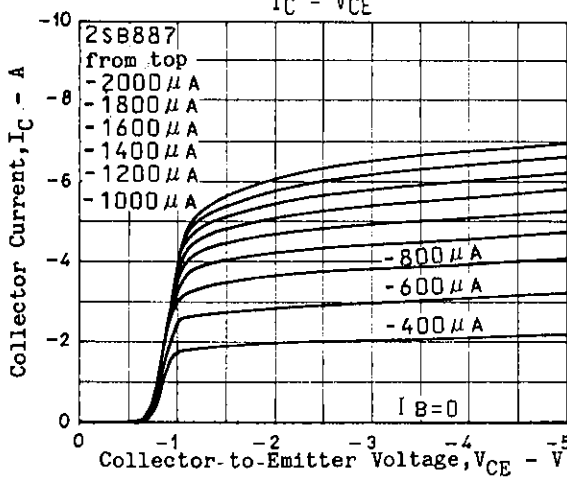
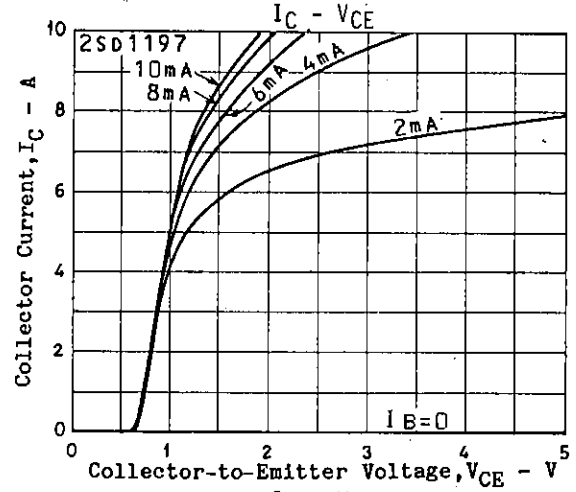
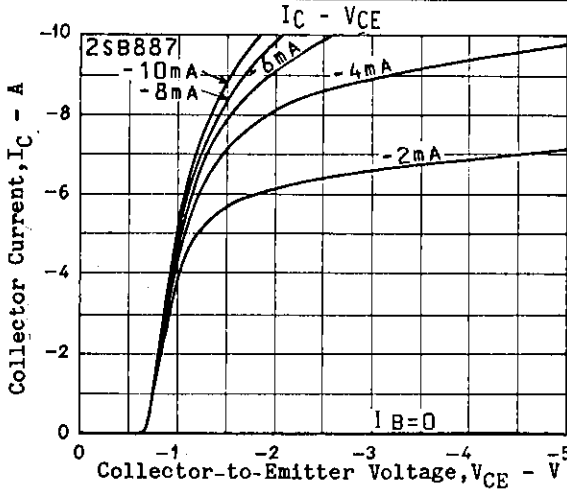
(unit:mm)



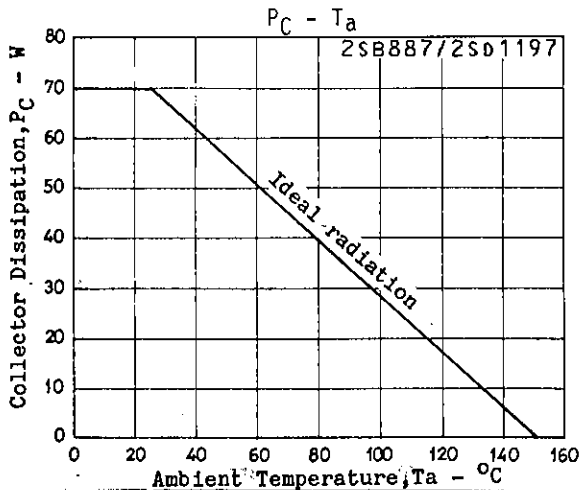
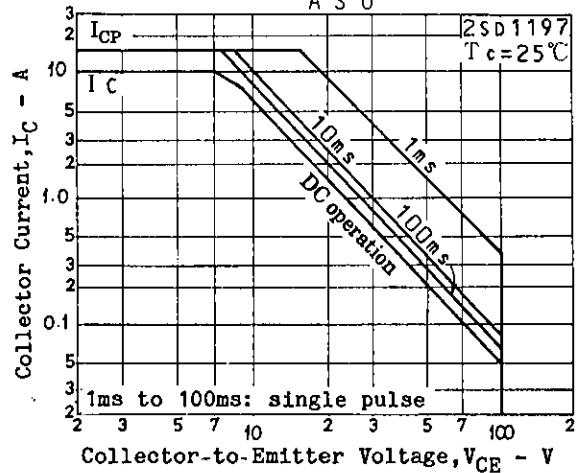
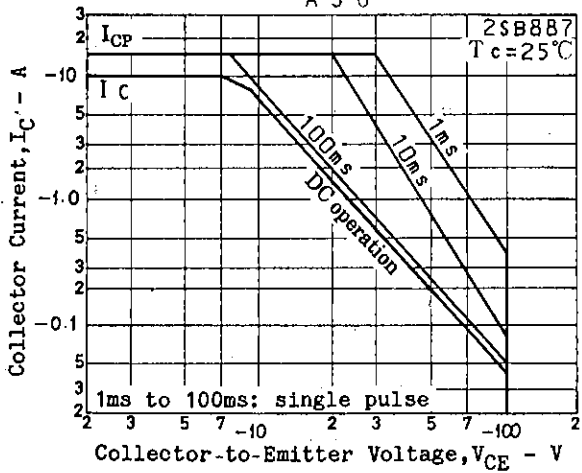
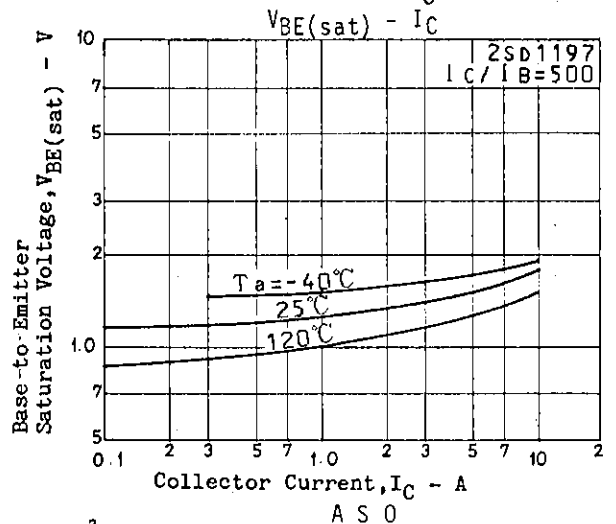
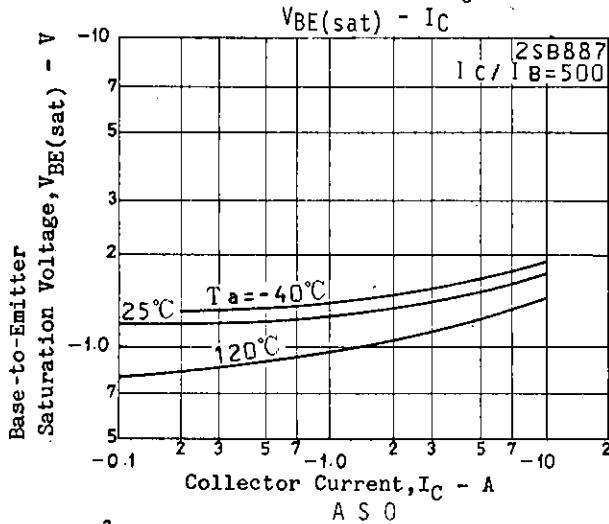
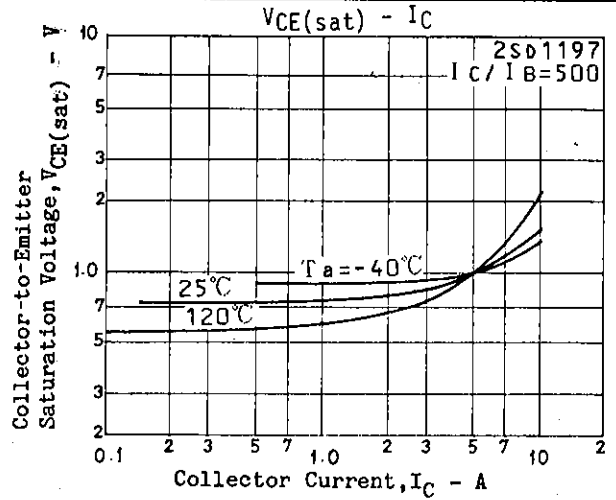
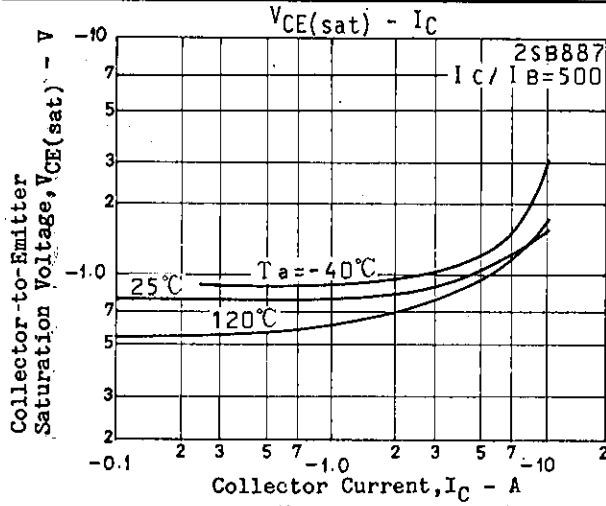
E: Emitter
C: Collector
B: Base
SANYO: TO3PB

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