

SANYO	No. 1721A	2SB1126/2SD1626
		PNP/NPN Epitaxial Planar Silicon Transistors For Various Drivers

Applications

- . Relay drivers, hammer drivers, lamp drivers, motor drivers.

Features

- . High DC current gain (4000 or greater).
- . Large current capacity.
- . Very small size making it easy to provide high-density, small-sized hybrid IC's.

(): 2SB1126

Absolute Maximum Ratings at Ta=25°C

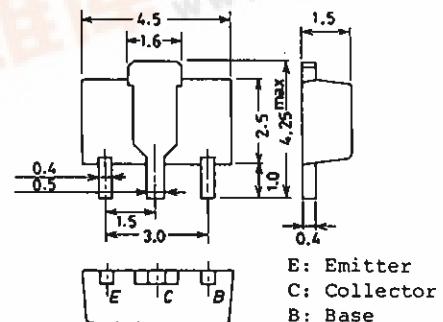
		unit
Collector to Base Voltage	V _{CB0}	(-)80 V
Collector to Emitter Voltage	V _{CEO}	(-)50 V
Emitter to Base Voltage	V _{EBO}	(-)10 V
Collector Current	I _C	(-)1.5 A
Collector Current(Pulse)	I _{CP}	(-)3 A
Collector Dissipation	P _C	500 mW
	Mounted on ceramic board (250mm ² x 0.8mm)	1.5 W
Junction Temperature	T _j	150 °C
Storage Temperature	T _{stg}	-55 to +150 °C

Electrical Characteristics at Ta=25°C

		min	typ	max	unit
Collector Cutoff Current	I _{CB0}	V _{CB} =(-)40V, I _E =0		(-)100	nA
Emitter Cutoff Current	I _{EBO}	V _{EB} =(-)8V, I _C =0		(-)100	nA
DC Current Gain	h _{FE1}	V _{CE} =(-)2V, I _C =(-)500mA	4000		
	h _{FE2}	V _{CE} =(-)2V, I _C =(-)10mA	3000		
Gain-Bandwidth Product	f _T	V _{CE} =(-)10V, I _C =(-)50mA	120		MHz
C-E Saturation Voltage	V _{CE(sat)}	I _C =(-)500mA, I _B =(-)0.5mA	(-)0.9	(-)1.5	V
B-E Saturation Voltage	V _{BE(sat)}	I _C =(-)500mA, I _B =(-)0.5mA	(-)1.5	(-)2.0	V
C-B Breakdown Voltage	V _{(BR)CBO}	I _C =(-)10μA, I _E =0	(-)80		V
C-E Breakdown Voltage	V _{(BR)CEO}	I _C =(-)1mA, R _{BE} =∞	(-)50		V
E-B Breakdown Voltage	V _{(BR)EBO}	I _E =(-)10μA, I _C =0	(-)10		V

Marking 2SB1126:BI
2SD1626:DI

Package Dimensions 2038
(unit:mm)

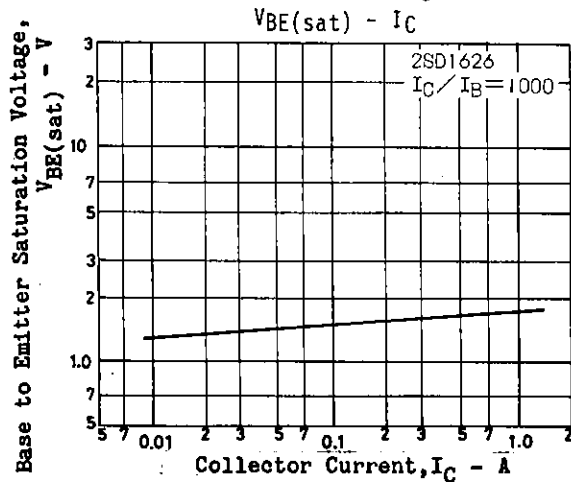
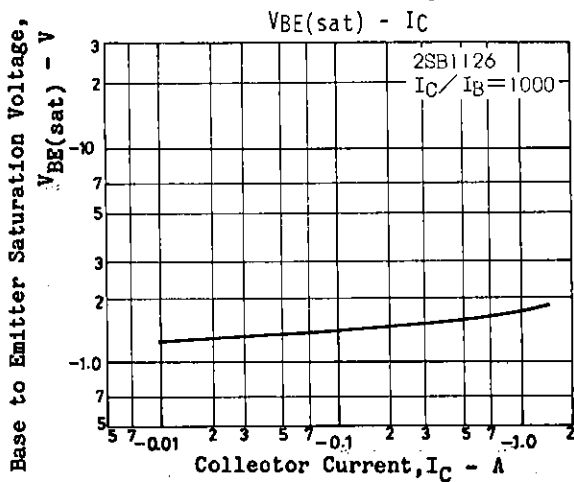
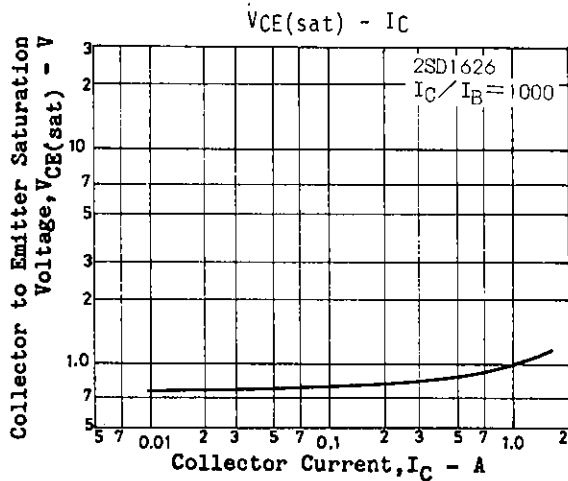
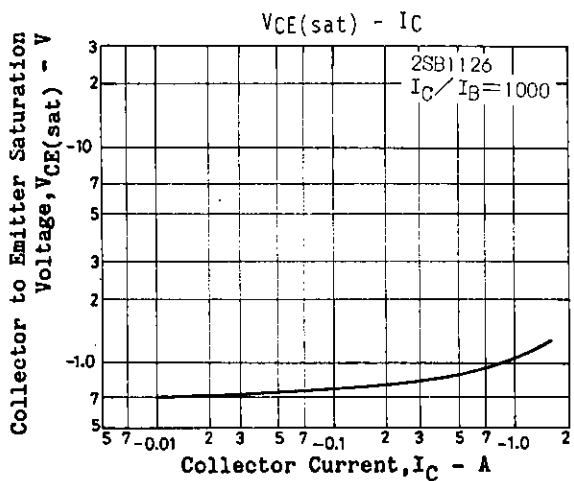
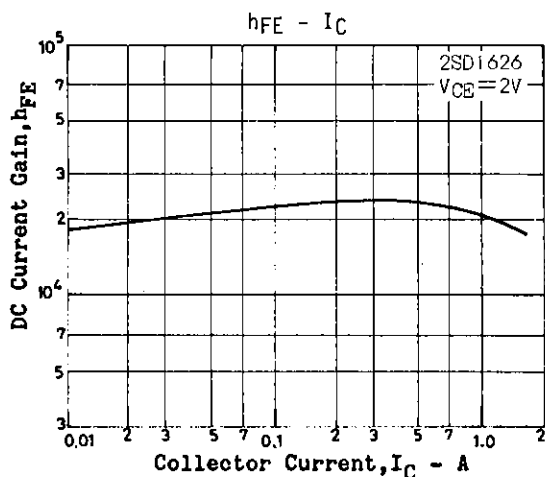
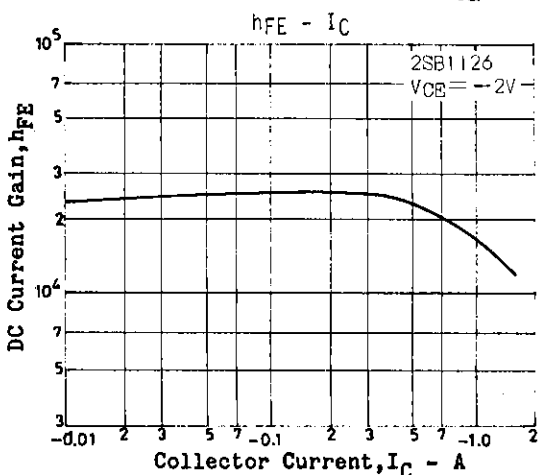
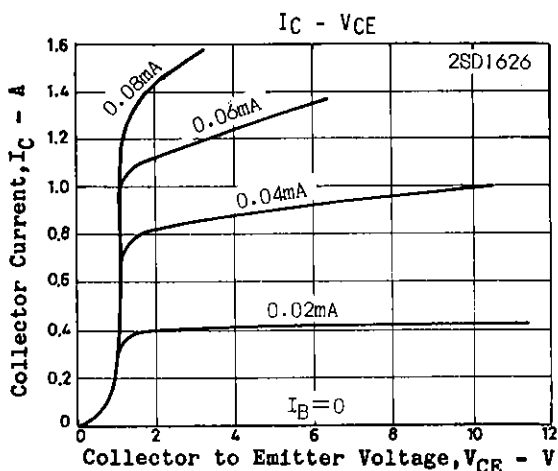
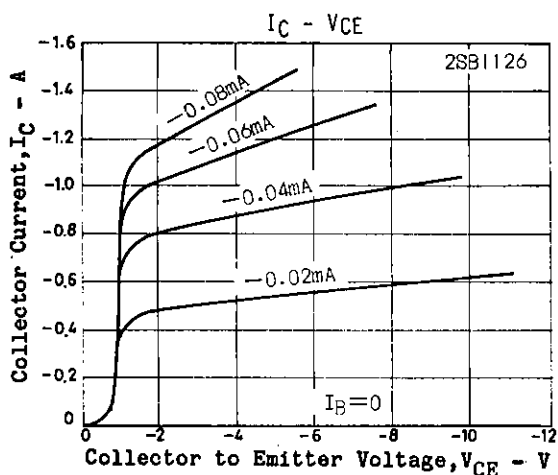


E: Emitter
C: Collector
B: Base

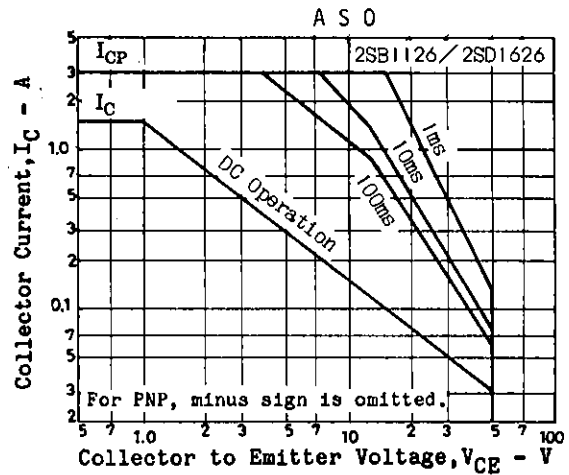
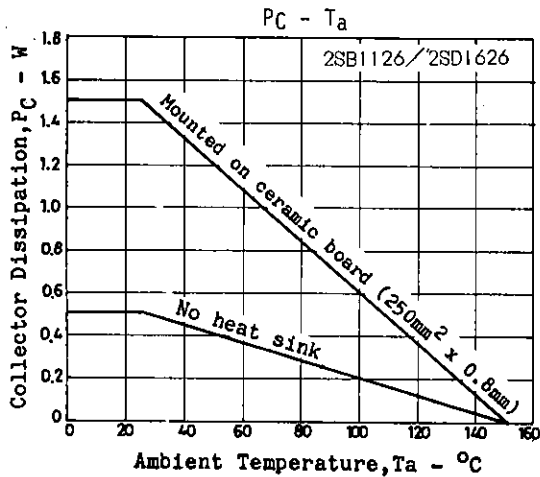
SANYO: PCP
(Bottom View)



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