

SANYO

No.3881

2SB1510/2SD2284

PNP/NPN Epitaxial Planar Silicon Transistors

60V/3A Driver Applications**Applications**

- Motor drivers, hammer drivers, relay drivers.

Features

- High DC current gain.
- Good dependence of DC current gain.

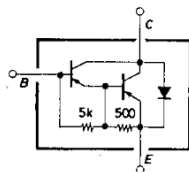
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Absolute Maximum Ratings at Ta=25°C

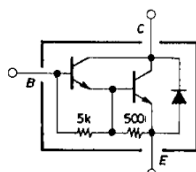
		unit
Collector-to-Base Voltage	V_{CB0}	(-)80 V
Collector-to-Emitter Voltage	V_{CE0}	(-)60 V
Emitter-to-Base Voltage	V_{EB0}	(-)6 V
Collector Current	I_C	(-)3 A
Peak Collector Current	i_{cp}	(-)6 A
Collector Dissipation	P_C	1.5 W
Junction Temperature	T_j	150 °C
Storage Temperature	T_{stg}	- 55 to + 125 °C

Electrical Characteristics at Ta=25°C

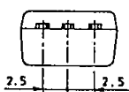
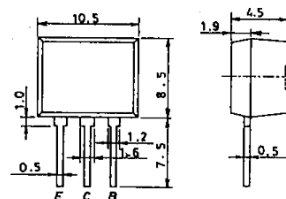
		min	typ	max	unit
Collector Cutoff Current	I_{CBO} $V_{CB}=(-)60V, I_E=0$			(-)10	μA
Emitter Cutoff Current	I_{EBO} $V_{EB}=(-)5V, I_C=0$			(-)2.5	mA
DC Current Gain	$h_{FE}(1)$ $V_{CE}=(-)2V, I_C=(-)1A$	2000			
	$h_{FE}(2)$ $V_{CE}=(-)2V, I_C=(-)2A$	1000			
C-E Saturation Voltage	$V_{CE(sat)}$ $I_C=(-)2A, I_B=(-)4mA$			(-)1.5	V
B-E Saturation Voltage	$V_{BE(sat)}$ $I_C=(-)2A, I_B=(-)4mA$			(-)2.0	V
C-B Breakdown Voltage	$V_{(BR)CBO}$ $I_C=(-)1mA, I_E=0$	(-)80			V
C-E Breakdown Voltage	$V_{(BR)CEO}$ $I_C=(-)10mA, R_{BE}=\infty$	(-)60			V

Electrical Connection

2SB1510



2SD2284

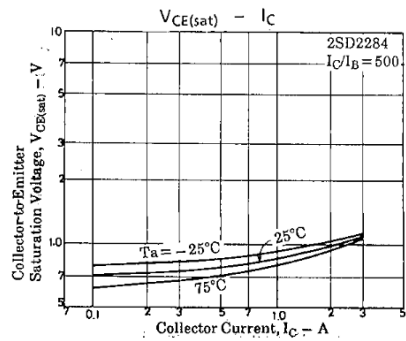
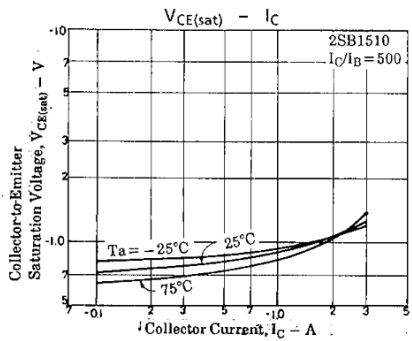
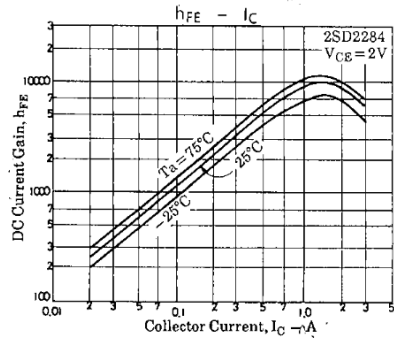
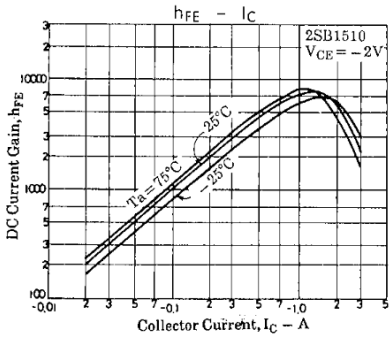
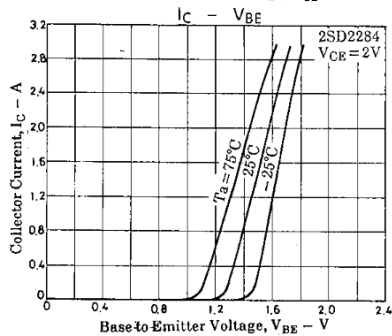
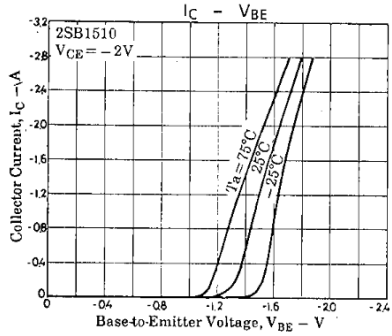
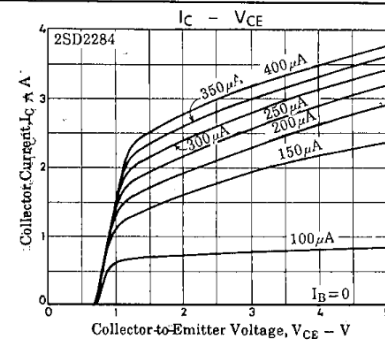
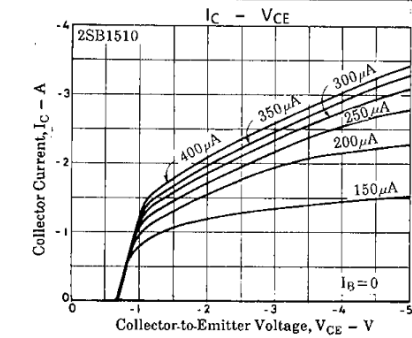
Unit (Resistance : Ω)**Package Dimensions 2084**
(unit : mm)E : Emitter
C : Collector
B : Base

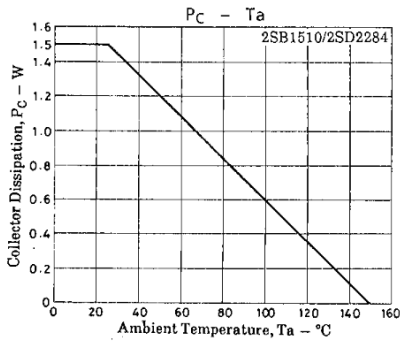
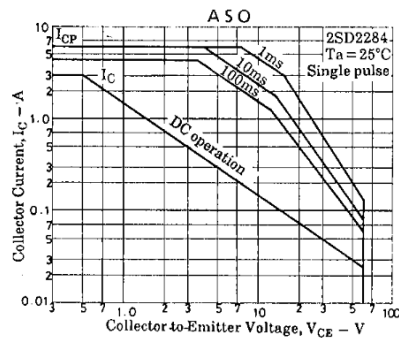
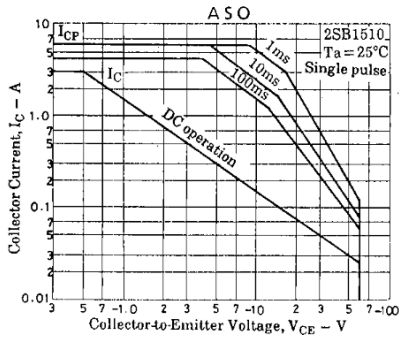
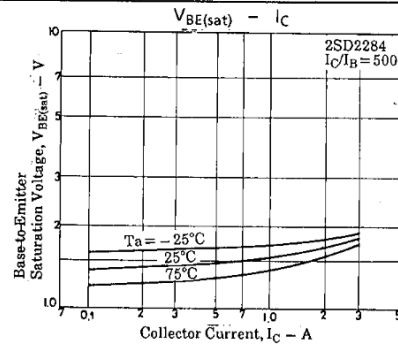
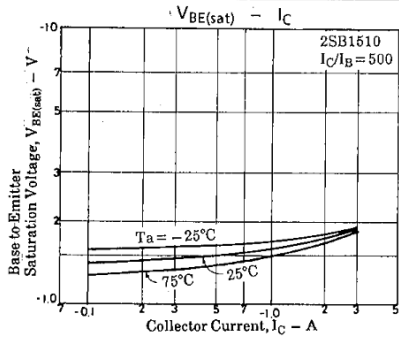
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