

SANYO	No.575D	2SB764/2SD863
	PNP/NPN Epitaxial Planar Silicon Transistors Voltage Regulator, Relay Lamp Driver Electrical Equipment Applications	

(): 2SB764

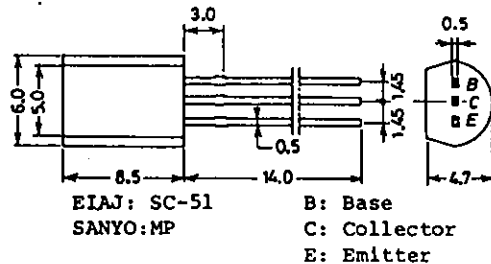
Absolute Maximum Ratings at Ta=25°C			unit
Collector to Base Voltage	V _{CB0}	(-)60	V
Collector to Emitter Voltage	V _{CE0}	(-)50	V
Emitter to Base Voltage	V _{EB0}	(-)5	V
Collector Current	I _C	(-)1	A
Collector Current(Pulse)	I _{CP}	(-)2	A
Collector Dissipation	P _C	0.9	W
Junction Temperature	T _J	150	°C
Storage Temperature	T _{stg}	-55 to +150	°C

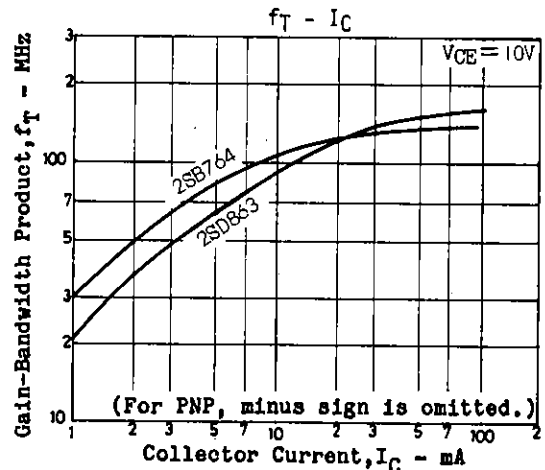
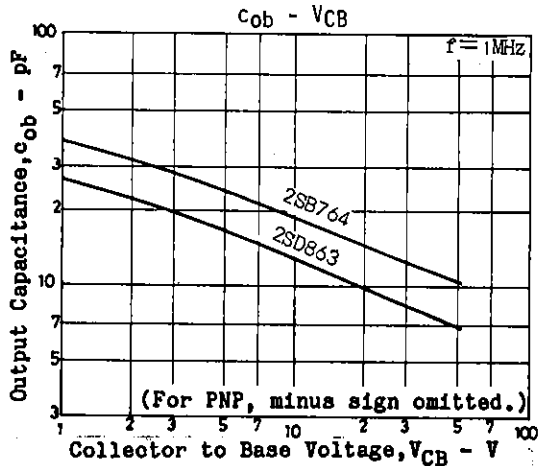
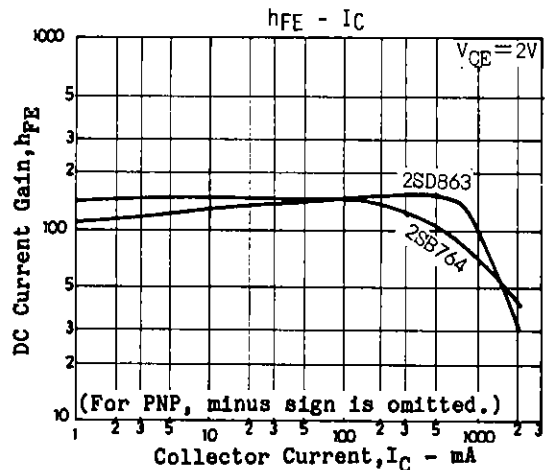
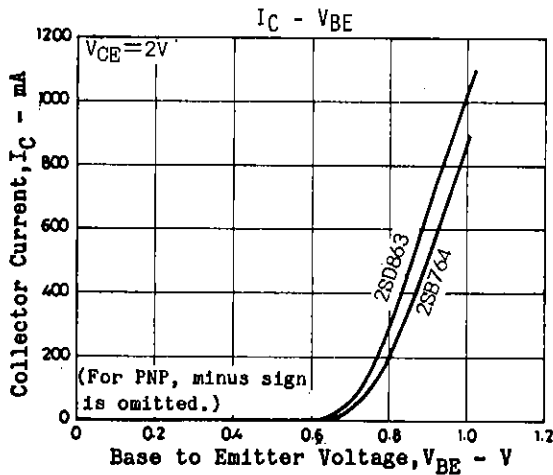
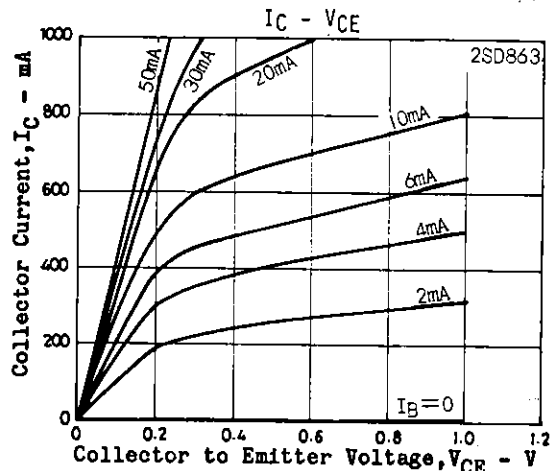
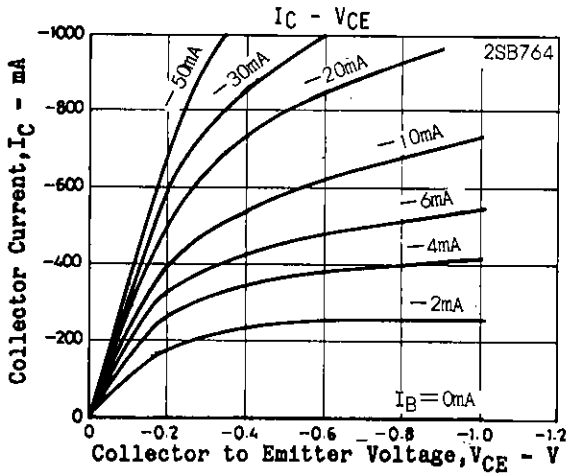
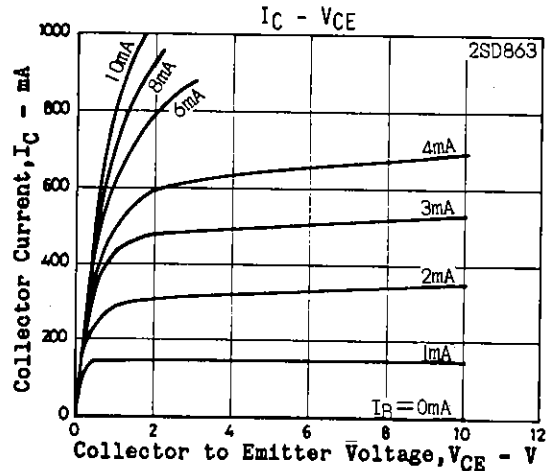
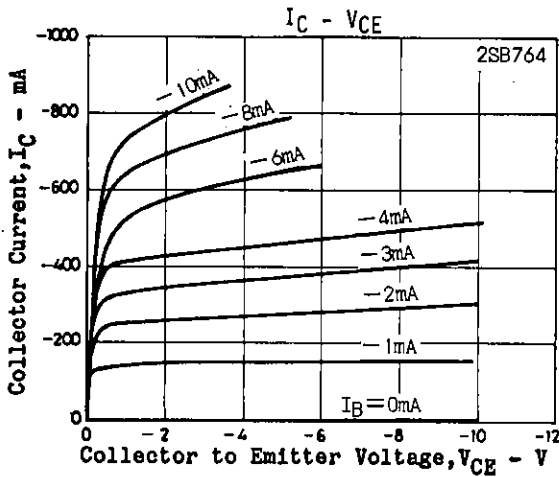
Electrical Characteristics at Ta=25°C			min	typ	max	unit
Collector Cutoff Current	I _{CBO}	V _{CB} =(-)50V, I _E =0			(-)1	μA
Emitter Cutoff Current	I _{EBO}	V _{EB} =(-)4V, I _C =0			(-)1	μA
DC Current Gain	h _{FE} (1)	V _{CE} =(-)2V, I _C =(-)50mA	60*		320*	
		V _{CE} =(-)2V, I _C =(-)1A	30			
Gain-Bandwidth Product	f _T	V _{CE} =(-)10V, I _C =(-)50mA		150		MHz
Output Capacitance	c _{ob}	V _{CE} =(-)10V, f=1MHz		(20)		pF
				12		pF
C-E Saturation Voltage	V _{CE(sat)}	I _C =(-)500mA, I _B =(-)50mA		(-0.2)(-0.7)		V
				0.15	0.5	V
B-E Saturation Voltage	V _{BE(sat)}	I _C =(-)500mA, I _B =(-)50mA		(-)0.85(-)1.2		V
C-B Breakdown Voltage	V _{(BR)CBO}	I _C =(-)10μA, I _E =0	(-)60			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	(-)5			V

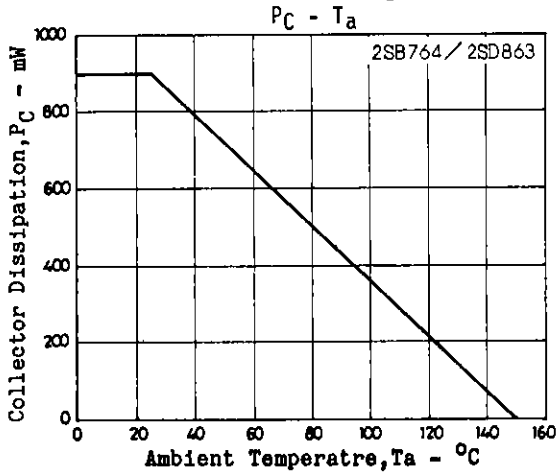
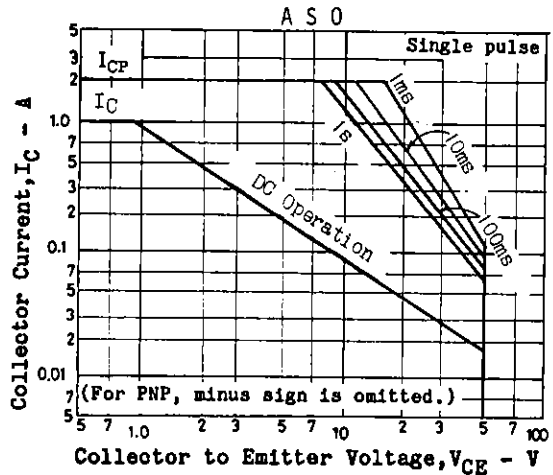
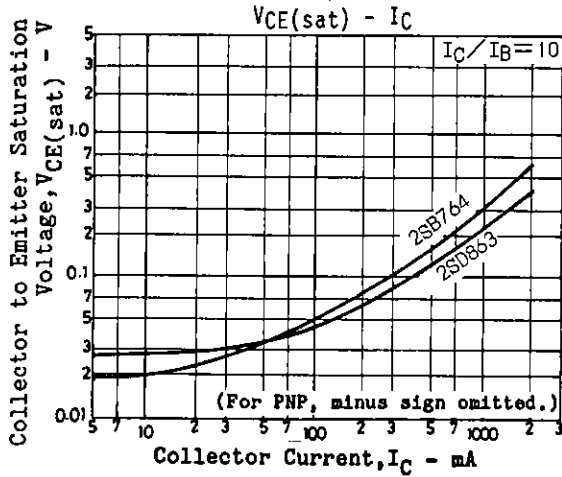
* The 2SB764/2SD863 are classified by 50mA h_{FE} as follows.

60	D	120	100	E	200	160	F	320
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Package Dimensions 2006A
(unit: mm)







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