

SANYO	No.753C	2SC2857
		NPN Triple Diffused Planar Silicon Transistor
High-Voltage Driver Applications		

Applications

- Color TV vertical driver, sound driver applications

Features

- High breakdown voltage ($V_{CE0} \geq 180V$)
- High collector dissipation ($P_C = 500mW$)

Absolute Maximum Ratings at $T_a = 25^\circ C$

			unit
Collector to Base Voltage	V_{CB0}	180	V
Collector to Emitter Voltage	V_{CE0}	180	V
Emitter to Base Voltage	V_{EB0}	5	V
Collector Current	I_C	50	mA
Collector Current(Pulse)	I_{CP}	100	mA
Collector Dissipation	P_C	500	mW
Junction Temperature	T_J	150	$^\circ C$
Storage Temperature	T_{stg}	-55 to +150	$^\circ C$

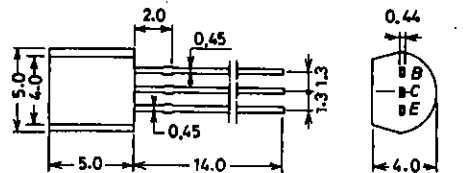
Electrical Characteristics at $T_a = 25^\circ C$

			min	typ	max	unit
Collector Cutoff Current	I_{CB0}	$V_{CB} = 180V, I_E = 0$			1.0	μA
Emitter Cutoff Current	I_{EB0}	$V_{EB} = 5V, I_C = 0$			1.0	μA
DC Current Gain	h_{FE}	$V_{CE} = 10V, I_C = 10mA$	40*		320*	
Gain-Bandwidth Product	f_T	$V_{CE} = 30V, I_C = 10mA$	50			MHz
Output Capacitance	c_{ob}	$V_{CB} = 10V, f = 1MHz$			4.0	pF
C-E Saturation Voltage	$V_{CE(sat)}$	$I_C = 20mA, I_B = 2mA$			0.6	V
B-E Saturation Voltage	$V_{BE(sat)}$	$I_C = 20mA, I_B = 2mA$			1.0	V

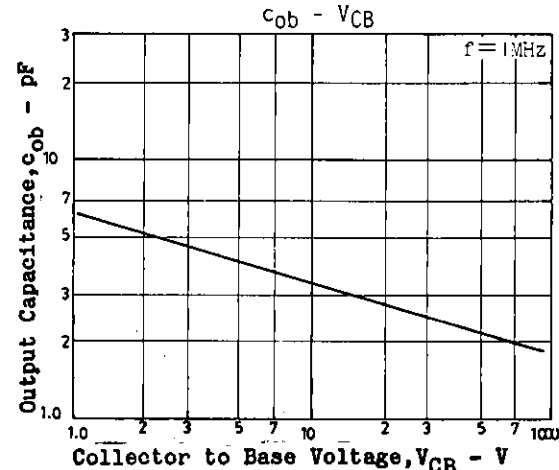
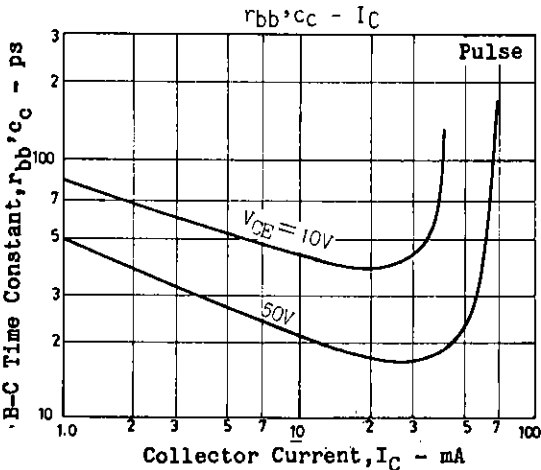
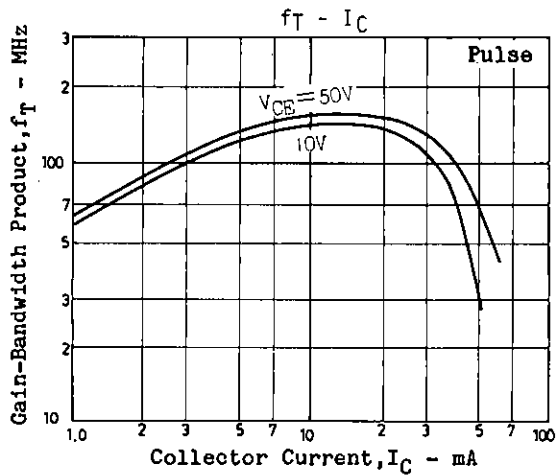
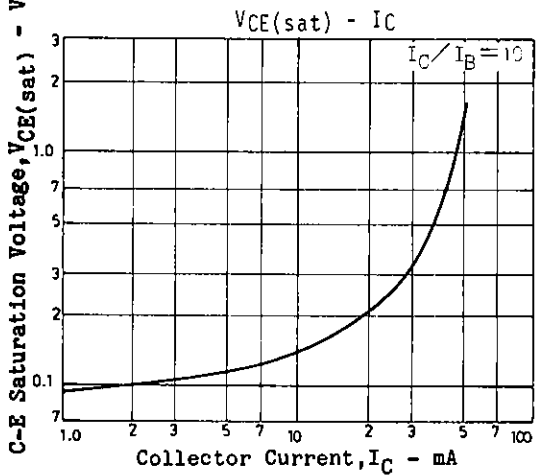
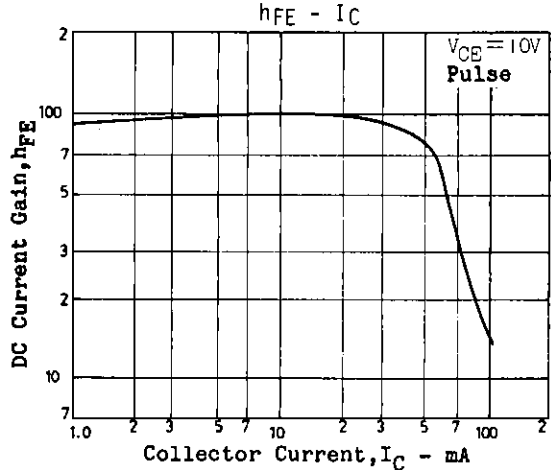
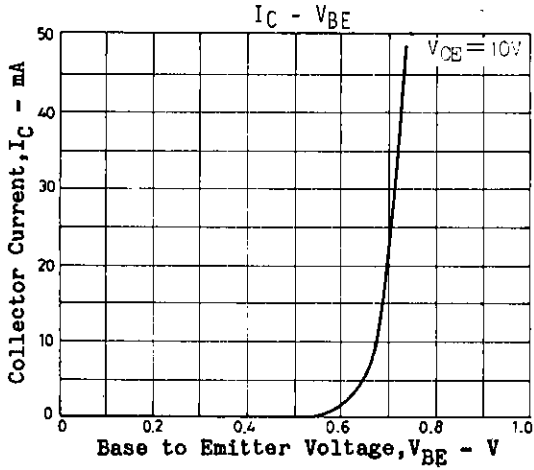
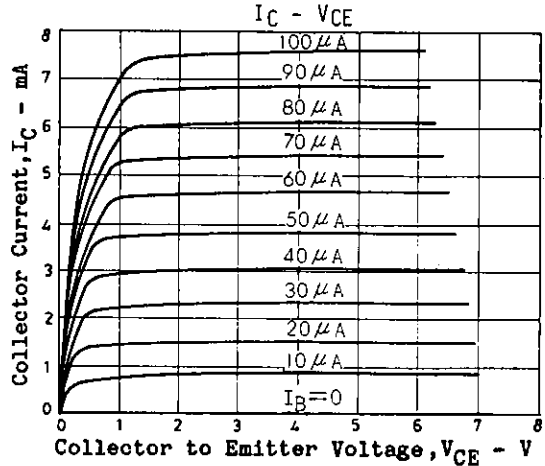
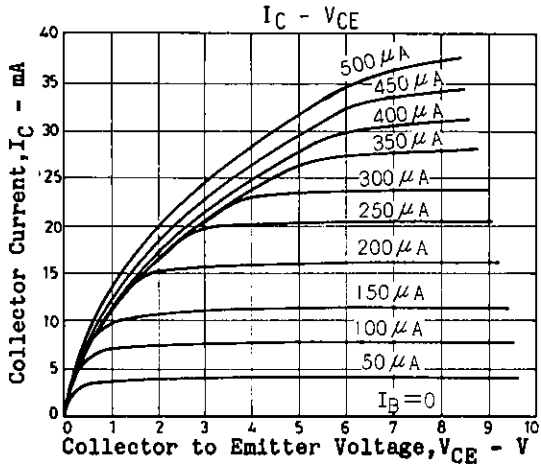
*:The 2SC2857 is classified by 10mA h_{FE} as follows :

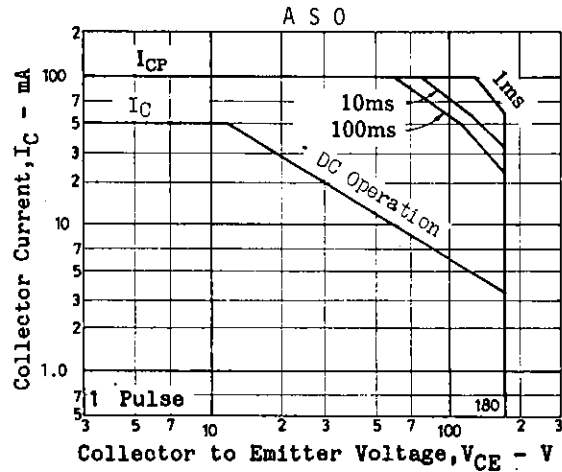
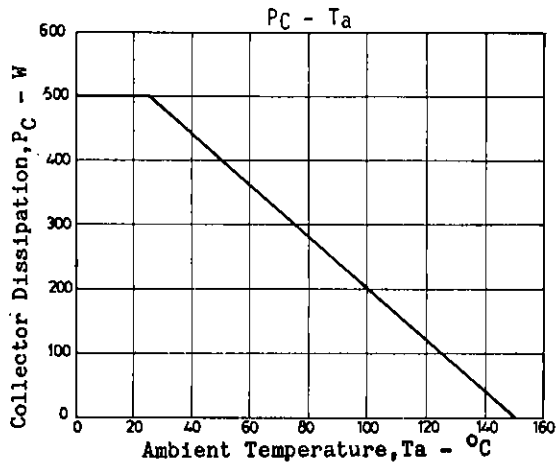
40	C	80	60	D	120	100	E	200	160	F	320
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Package Dimensions 2003A
(unit: mm)



JEDEC: TO-92 B: Base
 EIAJ : SC-43 C: Collector
 SANYO: NP E: Emitter





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